

Date Submitted: 2024-05-21 14:17:39

Confirmation Number: 1771511

Template: Full CV

Dr. Ana Konvalinka

Correspondence language: English

Sex: Female

Date of Birth: 6/20

Canadian Residency Status: Canadian Citizen

Country of Citizenship: Canada

Contact Information

The primary information is denoted by (*)

Address

Primary Affiliation (*)

Toronto General Hospital
[University Health Network]
MaRS building 9-9068, 585 University Avenue
Toronto Ontario M5G 2N2
Canada

Telephone

Work (*) 416-340-4800 extension: 6950

Email

Work (*) ana.konvalinka@utoronto.ca
Work Ana.Konvalinka@uhn.ca

Website

Corporate <https://www.uhnresearch.ca/researcher/ana-konvalinka>

Dr. Ana Konvalinka

Language Skills

Language	Read	Write	Speak	Understand	Peer Review
Croatian	Yes	Yes	Yes	Yes	Yes
English	Yes	Yes	Yes	Yes	Yes
Serbian	Yes	Yes	Yes	Yes	Yes

Degrees

- 2010/12 - 2014/6 Doctorate, Doctor of Philosophy, Basic Science, University of Toronto
 Degree Status: Completed
 Supervisors: Dr. James Scholey, 2008/7 - 2013/12; Dr. Eleftherios Diamandis, 2008/7 - 2013/12
- 1998/9 - 2003/6 Doctorate, Doctor of Medicine - M.D., Not applicable, University of Ottawa
 Degree Status: Completed
- 1995/9 - 1998/6 Bachelor's, Bachelor of Science, Human Biology, University of Toronto
 Degree Status: Completed

Credentials

- 2009/10 F.R.C.P.C. Nephrology Specialty Certification, The Royal College of Physicians and Surgeons of Canada
 Nephrology
- 2007/7 Fellow of the Royal College in the Division of Medicine, The Royal College of the Physicians and Surgeons of Canada
- 2007/6 F.R.C.P.C. Internal Medicine Specialty Certification, The Royal College of Physicians and Surgeons of Canada
 Internal Medicine
- 2004/12 Licentiate of the Medical Council of Canada Certif, Medical Council of Canada
- 2003/6 Doctor of Medicine, Summa cum laude, University of Ottawa

Recognitions

- 2023/4 Di Poce Scholar Award
 University Health Network

2021/3	<p>CIHR College Member Canadian Institutes of Health Research Honor College of Reviewers recognized Dr. Konvalinka's contribution to the Spring Project Grant 2021 peer review as exemplary, placing it in the category of "Outstanding reviewer". Among the 1,213 reviewers that participated in the competition, only 13% obtained this recognition.</p>
2020/11	<p>2020 Canadian Society of Transplantation Research Excellence Award - 1,500 (Canadian dollar) Canadian Society of Transplantation Prize / Award An award given annually to a Canadian scientists performing outstanding and innovative research in the field of transplantation.</p>
2020/7 - 2026/6	<p>Academic Merit Award - 120,000 (Canadian dollar) University of Toronto Prize / Award A competitive award administered by the University of Toronto to support successful Clinician Scientists.</p>
2017/3	<p>Canadian Society of Nephrology / Amgen New Investigator Lectureship - 1,000 (Canadian dollar) Canadian Society of Nephrology Prize / Award Dr. Konvalinka was selected as one of the three rising starts in Nephrology research in Canada. Research Disciplines: Nephrology</p>
2016/9	<p>Human Proteome Project Clinician Scientist Travel Grant Award - 1,000 (United States dollar) Human Proteome Organization Prize / Award Dr. Konvalinka received this clinician scientist travel award in order to present in a clinical/translational proteomics session and provide input into translating proteomics based projects to the clinic.</p>
2016/7 - 2019/6	<p>KRESCENT/ CIHR New Investigator Award - 235,000 (Canadian dollar) Kidney Foundation of Canada Prize / Award Salary and infrastructure new investigator award for a proposal entitled "Systems Biology Approaches to Decipher Novel Mechanisms and Markers of Antibody-Mediated Rejection in Kidney Transplantation"</p>
2016/7 - 2017/6	<p>American Society of Transplantation / Transplantation Immunology Research Network - Translational Science Faculty Development Research Grant - 50,000 (United States dollar) American Society of Transplantation Prize / Award Peer-reviewed grant given for a proposal entitled: "Interaction between Humoral Immune Response and Kidney Tissue Proteome in Antibody-Mediated Rejection"</p>

User Profile

Researcher Status: Researcher
 Research Career Start Date: 2015/07/01
 Engaged in Clinical Research?: Yes

Key Theory / Methodology: Molecular and cellular biology, systems biology, unbiased proteomics and transcriptomics, clinical biomarker studies

Research Interests: antibody-mediated rejection in the kidney allograft, kidney fibrosis, diabetic kidney disease, biology of sex differences

Research Specialization Keywords: Angiotensin II in the kidney, Antibody-mediated rejection, Biomarkers, Diabetes mellitus, Fibrosis, Kidney transplantation, Mass spectrometry, MaxQuant software, Proteomics, Quantitative proteomics, Renin angiotensin system, Sex and metabolism, SILAC labeling

Disciplines Trained In: Internal Medicine, Nephrology

Research Disciplines: Nephrology

Areas of Research: Bioinformatics, Biological and Biochemical Mechanisms, Cell, Transplantation and Graft Rejection

Fields of Application: Pathogenesis and Treatment of Diseases

Employment

2023/6	Associate Professor Medicine, Medicine, University of Toronto
2022/7	Senior Scientist Advanced Diagnostics, Medicine, Toronto General Hospital Research Institute Full-time Tenure Status: Non Tenure Track
2015/7	Director, Multi-Organ Transplant Biobank Multi-Organ Transplant Program, Medicine, University Health Network Full-time Tenure Status: Non Tenure Track
2015/7	Transplant Nephrologist, Clinician Scientist Medicine / Division of Nephrology, Medicine / University of Toronto, University Health Network Full-time Tenure Status: Non Tenure Track
2015/11 - 2023/6	Assistant Professor Medicine, Medicine, University of Toronto Full-time, Assistant Professor Tenure Status: Non Tenure Track
2015/9 - 2022/6	Scientist Advanced Diagnostics, Medicine, Toronto General Hospital Research Institute Full-time Tenure Status: Non Tenure Track

Affiliations

The primary affiliation is denoted by (*)

2023/7	Associate Professor of Medicine, University of Toronto
2022/7	Senior Scientist, Toronto General Hospital Research Institute
2020/10	Full Member, Institute of Medical Science, University of Toronto
2019/12	Full Member, Laboratory Medicine and Pathobiology, University of Toronto
2015/11	Assistant Professor, University of Toronto

2015/7	Director, Multi-Organ Transplant Biobank, University Health Network
2015/7	Associate Staff, Division of Nephrology, Department of Medicine, Mount Sinai Hospital
(*) 2015/7	Clinician Scientist, Medicine, Division of Nephrology, University Health Network
2015/9 - 2022/6	Scientist, Advanced Diagnostics, Toronto General Hospital Research Institute

Research Funding History

Awarded [n=21]

2023/7 - 2029/6 Principal Investigator	Di Poce Research Scholar Award Funding Sources: 2023/7 - 2029/6 University Health Network Di Poce Research Scholar Award Total Funding - 375,000 (Canadian dollar) Funding Competitive?: Yes
2022/4 - 2027/3 Principal Applicant	Determining Donor-Specific Antibody Pathogenicity in Kidney Transplantation Using Tissue Proteomics and Systems Immunology, Grant Funding Sources: 2022/3 - 2027/2 Canadian Institutes of Health Research (CIHR) Project Grant Competition Total Funding - 898,875 (Canadian dollar) Portion of Funding Received - 100 Funding Competitive?: Yes Co-investigator : Dr. Aniruddh Sarkar; Dr. Igor Jurisica; Dr. Jishnu Das; Dr. Stephen Juvet; Collaborator : Dr. Ella Huszti; Dr. Fadi Lakkis; Dr. Lara Mahal; Dr. Rohan John
2023/7 - 2025/6 Principal Investigator	Hepatocyte Nuclear Factor 4 Alpha (HNF4A) as a Regulator of Kidney Graft Repair Funding Sources: 2023/7 - 2025/6 Kidney Foundation of Canada (KFC) Kidney Health Research Grant Total Funding - 120,000 (Canadian dollar) Funding Competitive?: Yes Co-investigator : Dr. Lisa Robinson; Dr. Markus Selzner
2020/1 - 2024/12 Co-investigator	Delineating the role of innate lymphoid cells in kidney homeostasis and transplantation., Grant Funding Sources: 2020/1 - 2024/12 Canadian Institutes of Health Research (CIHR) Project Grant Total Funding - 787,950 (Canadian dollar) Portion of Funding Received - 50 Funding Competitive?: Yes Collaborator : Dr. Gary Bader; Dr. Sonya MacParland; Principal Applicant : Dr. Sarah Crome/ Dr. Ana Konvalinka
2023/4 - 2024/3 Principal Investigator	Identifying Prospective Therapeutics for Antibody Mediated Rejection in Kidney Transplantation Using a Novel Mammalian-2-Hybrid Drug Screening Assay

Funding Sources:

2023/4 - 2024/3 Ajmera Transplant Centre
 Translational Research Seed Grant
 Total Funding - 75,000 (Canadian dollar)
 Funding Competitive?: Yes

Co-investigator : Dr. Igor Stagljar

2022/2 - 2024/1
 Principal Applicant

Learning from the kidney transplant world: Angiotensin II-regulated proteins as predictors and therapeutic targets for CLAD., Grant

Funding Sources:

2022/5 - 2024/4 Cystic Fibrosis Foundation
 CLAD Biomarkers
 Total Funding - 334,920 (United States dollar)
 Portion of Funding Received - 50
 Funding Competitive?: Yes

Co-applicant : Dr. Boris Hinz; Dr. Ella Huszti; Dr. Igor Jurisica; Dr. Stephen Juvet;

Principal Applicant : Dr. Ana Konvalinka and Dr. Tereza Martinu

2019/1 - 2023/12
 Principal Applicant

Urine protein markers to identify and monitor immune-mediated kidney allograft fibrosis, Grant

Funding Sources:

2019/1 - 2022/12 Kidney Foundation of Canada (KFC)
 Special Research Project Grant: Predictive Biomarkers
 Total Funding - 500,000 (Canadian dollar)
 Portion of Funding Received - 100
 Funding Competitive?: Yes

Co-investigator : Dr. Igor Jurisica

2021/7 - 2023/12
 Co-applicant

Kidney-on-a-chip model for studies of antibody-mediated rejection, Grant

Funding Sources:

2021/7 - 2022/12 Centre for Research and Applications in Fluidic Technologies
 CRAFT Project Award
 Total Funding - 210,000 (Canadian dollar)
 Portion of Funding Received - 50
 Funding Competitive?: Yes

Co-applicant : Dr. Teodor Veres;

Principal Applicant : Dr. Milica Radisic

2019/4 - 2023/3
 Co-investigator

SynoPlate - Human physiology on demand, Grant

Funding Sources:

2019/4 - 2023/3 Canadian Institutes of Health Research (CIHR)
 Project Grant
 Total Funding - 684,675 (Canadian dollar)
 Portion of Funding Received - 0
 Funding Competitive?: Yes

Co-investigator : Dr. J. Hirota; Dr. S. Raha;

Principal Investigator : Dr. Boyang Zhang

- 2021/7 - 2022/12
Principal Investigator Investigating Kidney Tissue Responses to Donor Specific Antibodies in Antibody Mediated Rejection, Grant
- Funding Sources:**
2021/7 - 2022/12 Canadian Donation and Transplantation Research Program
2021 CDTRP Research Innovation Grant competition
Total Funding - 30,000 (Canadian dollar)
Portion of Funding Received - 100
Funding Competitive?: Yes
- Co-investigator : Dr. Igor Jurisica; Dr. Rohan John; Dr. Stephen Juvet
- 2019/7 - 2022/6
Principal Applicant Sex and Human Kidney Metabolism: New Insights into Diabetic Kidney Disease. Dr. Konvalinka is Dr. Clotet-Freixas' principal supervisor., Fellowship
- Funding Sources:**
2019/7 - 2022/6 Canadian Institutes of Health Research (CIHR)
KRESCENT Post-Doctoral Fellowship
Total Funding - 45,625 (Canadian dollar)
Portion of Funding Received - 100
Funding Competitive?: Yes
- 2019/7 - 2022/6 Kidney Foundation of Canada (KFC)
KRESCENT Post-Doctoral Fellowship
Total Funding - 36,875 (Canadian dollar)
Portion of Funding Received - 100
Funding Competitive?: Yes
- 2019/7 - 2022/6 University Health Network (Toronto, ON)
KRESCENT Post-Doctoral Fellowship
Total Funding - 82,500 (Canadian dollar)
Portion of Funding Received - 100
Funding Competitive?: Yes
- Collaborator : Dr. Minna Woo;
Principal Applicant : Dr. Sergi Clotet-Freixas
- 2018/7 - 2021/6
Principal Applicant The Impact of Sex on Kidney Metabolism. Implications for Diabetic Kidney Disease, Grant
- Funding Sources:**
2018/7 - 2020/6 Canadian Institutes of Health Research (CIHR)
Catalyst Grant: Sex as a Variable in Biomedical Research
Total Funding - 225,000 (Canadian dollar)
Portion of Funding Received - 100
Funding Competitive?: Yes
- 2016/10 - 2020/12
Principal Applicant Drug Discovery Foundation Grant, Grant, Operating
Project Description: We will repurpose drugs for treatment of antibody-mediated rejection in kidney transplant recipients, and test the effectiveness of top candidates in a novel in vitro system.
- Funding Sources:**
2016/10 - 2017/9 Toronto General and Western Hospital Foundation (TGWHF)
Multi-Organ Transplant Drug Discovery Fund
Total Funding - 150,000 (Canadian dollar)
Portion of Funding Received - 75,000 (Canadian dollar)
Funding Competitive?: No

- 2019/7 - 2020/6
Co-investigator
- Harnessing ILCs to improve transplant outcomes
- Funding Sources:**
2019/7 - 2020/6 Multi-Organ Transplant Program
Bridge funding for high-scoring CIHR grants
Total Funding - 100,000 (Canadian dollar)
Funding Competitive?: Yes
- Principal Investigator : Dr. Sarah Crome
- 2018/10 - 2019/12
Principal Applicant
- Developing a Novel Kidney-on-chip Platform to Study Antibody-Mediated Allograft Injury, Grant
- Funding Sources:**
2018/11 - 2019/10 Multi-Organ Transplant
Innovation Accelerator Grant
Total Funding - 75,000 (Canadian dollar)
Portion of Funding Received - 100
Funding Competitive?: Yes
- Co-investigator : Dr. Boyang Zhang; Dr. Milica Radisic
- 2016/7 - 2019/6
Principal Investigator
- Interaction Between Humoral Immune Response and Kidney Tissue Proteome in Antibody Mediated Rejection, Grant, Operating
Clinical Research Project?: Yes
Project Description: Operating funding for a project entitled "Interaction Between Humoral Immune Response and Kidney Tissue Proteome in Antibody Mediated Rejection"
- Funding Sources:**
2016/7 - 2019/6 Kidney Foundation of Canada (KFC)
Biomedical Research Grant
Total Funding - 150,000 (Canadian dollar)
Portion of Funding Received - 100
Funding Competitive?: Yes
- Funding by Year:**
2016/7 - 2019/6 Total Funding - 150,000 (Canadian dollar)
Portion of Funding Received - 150,000 (Canadian dollar)
Time Commitment: 30
- 2018/7 - 2019/6
Co-applicant
- Targeting the renin-angiotensin system to monitor and treat fibrosis in chronic lung allograft dysfunction, Grant
- Funding Sources:**
2018/7 - 2019/6 Canadian National Transplant Research Program
Innovation grant
Total Funding - 30,000 (Canadian dollar)
Portion of Funding Received - 50
Funding Competitive?: Yes
- 2016/7 - 2019/6
Principal Applicant
- Systems Biology Approaches to Decipher Novel Mechanisms and Markers of Antibody Mediated Rejection in Kidney Transplantation, Grant, Establishment
Clinical Research Project?: Yes
Project Description: Salary and operating award for a proposal entitled "Systems Biology Approaches to Decipher Novel Mechanisms and Markers of Antibody Mediated Rejection in Kidney Transplantation"

Funding Sources:

- 2016/7 - 2019/6 Canadian Institutes of Health Research (CIHR)
KRESCENT
Total Funding - 91,250 (Canadian dollar)
Portion of Funding Received - 100
Funding Competitive?: Yes
- 2016/7 - 2019/6 Kidney Foundation of Canada (KFC)
KRESCENT
Total Funding - 118,750 (Canadian dollar)
Portion of Funding Received - 100
Funding Competitive?: Yes
- 2016/7 - 2017/6 Kidney Foundation of Canada (KFC)
KRESCENT infrastructure
Total Funding - 25,000 (Canadian dollar)
Portion of Funding Received - 100 (Canadian dollar)
Funding Renewable?: No
Funding Competitive?: Yes

Funding by Year:

- 2016/7 - 2019/6 Total Funding - 235,000 (Canadian dollar)
Time Commitment: 30

2018/1 - 2019/1
Co-applicant

Improving outcomes for organ transplantation: a live imaging platform to target immunologic and fibrotic events, Grant

Funding Sources:

- 2018/7 - 2019/12 Canada Foundation for Innovation (CFI)
John R. Evans Leaders Fund
Total Funding - 947,584 (Canadian dollar)
Portion of Funding Received - 50
Funding Competitive?: Yes

Principal Applicant : Dr. Sonya MacParland

2016/7 - 2017/6
Principal Applicant

Interaction Between Kidney Tissue Proteome and Circulating Antibodies in Antibody-Mediated Rejection, Grant

Funding Sources:

- 2016/7 - 2017/6 Multi-Organ Transplant Astellas Grant
Multi-Organ Transplant
Total Funding - 25,000 (Canadian dollar)
Portion of Funding Received - 100
Funding Competitive?: Yes

2015/2 - 2016/1
Principal Applicant

Urinary Markers of the Renal Renin Angiotensin System Activity in Kidney Allograft Recipients, Grant

Funding Sources:

- 2015/2 - 2015/2 Canadian National Transplant Research Program
Personalized Medicine Grant
Total Funding - 25,000 (Canadian dollar)
Portion of Funding Received - 100
Funding Competitive?: Yes

Co-investigator : Dr. Joseph Kim

Declined [n=2]

2022/7 - 2024/6 Principal Applicant	Determining Donor-Specific Antibody Pathogenicity in Kidney Transplantation Funding Sources: 2022/7 - 2024/6 Kidney Foundation of Canada (KFC) Kidney Health Research Grant Total Funding - 100,000 (Canadian dollar) Funding Competitive?: Yes
2016/7 - 2017/6 Principal Applicant	Interaction Between Humoral Immune Response and Kidney Tissue Proteome in Antibody Mediated Rejection, Grant, Establishment Clinical Research Project?: Yes Project Description: Salary award for a project entitled "Interaction Between Humoral Immune Response and Kidney Tissue Proteome in Antibody Mediated Rejection" Funding Sources: 2016/7 - 2017/6 American Society of Transplantation (AST) Transplant Immunology Research Network Faculty Development Research Grant Total Funding - 50,000 (United States dollar) Portion of Funding Received - 0 Funding Competitive?: Yes

Student/Postdoctoral Supervision**Bachelor's [n=8]**

2021/5 - 2021/8 Principal Supervisor	Stefan Petrovic (Completed) , Queen's University Student Degree Start Date: 2019/9 Thesis/Project Title: Stefan worked on a project entitled "Does normothermic ex vivo kidney allograft perfusion increase expression of mitochondrial proteins ETFB, CPT2 and their regulator HNF4A?" He received first place award (\$1000) for the top abstract and presentation at the Transplant Institute Summer Program. Present Position: Undergraduate student
2021/5 - 2021/8 Principal Supervisor	Katarina Zorcic (Completed) , University of Western Ontario Student Degree Start Date: 2019/9 Thesis/Project Title: Katarina examined gene expression datasets from literature that were pertinent to antibody mediated rejection, and analyzed them to decipher gene sets associated with the different histological phenotypes of rejection. She won the Summer Undergraduate Research Program Scholarship. Present Position: Undergraduate student
2021/5 - 2021/8 Principal Supervisor	Madhurangi Arambewela (Completed) , Banting and Best Diabetes Centre Student Degree Start Date: 2017/9 Thesis/Project Title: Madhurangi examined the expression of KDM6A and HNF4A genes in male and female proximal tubular cells under normal and high glucose conditions. She was a recipient of the BBDC Summer Studentship. Present Position: Undergraduate student

- 2019/5 - 2019/8
Principal Supervisor
Neel Sheth (Completed) , Multi-Organ Transplant Summer Student Research Program
Student Degree Start Date: 2019/5
Student Degree Received Date: 2019/8
Thesis/Project Title: Regulation of angiotensin II fibrotic proteins in renal proximal tubular cells.
Project Description: Neel spent the summer in the lab. He studied the effect of angiotensin II on transcription factor expression in primary kidney cells in vitro and in male and female kidneys from wild type and diabetic mice, as well as mice treated with angiotensin II.
Present Position: Undergraduate student
- 2019/5 - 2019/8
Principal Supervisor
Madhurangi Arambewela (Completed) , University of Toronto, Institute of Medical Science
Student Degree Start Date: 2019/5
Student Degree Received Date: 2021/8
Thesis/Project Title: Mechanisms of Basement Membrane Injury in Antibody Mediated Rejection. Awards: Summer Undergraduate Research Program scholarship, and honorable mention for her presentation at the IMS research day.
Project Description: Madhurangi spent a summer in the lab as a summer student. She studied protease gene expression and activity in response to HLA antibodies in primary human microvascular endothelial cells in vitro. She was awarded the IMS summer studentship. Madhurangi joined my team again in the summer of 2021 and won the BBDC Charles Hollenberg Fellowship to study the effects of sex-based metabolic function in kidney cells in the context of diabetes.
Present Position: Undergraduate student
- 2019/5 - 2019/8
Principal Supervisor
Michael Chan (Completed) , Banting & Best Diabetes Centre
Student Degree Start Date: 2019/5
Student Degree Received Date: 2019/8
Thesis/Project Title: Sex Differences in Kidney Metabolic Transcription Factors - Implications for Diabetic Kidney Disease. Awards: Charles Hollenberg Summer Studentship
Project Description: Michael worked in the lab as a summer student. He studied cell sex- and sex hormone-based differences in kidney cell metabolism. He was awarded the Hollenberg BBDC Studentship.
Present Position: Graduate student
- 2017/9 - 2018/9
Principal Supervisor
Chen, PeiXuen (Completed) , University of Toronto
Student Degree Start Date: 2017/9
Thesis/Project Title: Histologic findings on time zero kidney allograft biopsies and their association with graft outcomes at 1 month post-transplant
Project Description: PeiXuen has been working on data collection for the Multi-Organ Transplant biobank. She will analyze time zero kidney biopsy histopathology and predictors of kidney function at 1 month post transplant. PeiXuen will also participate in experiments conducted in the lab.
Present Position: Undergraduate student

2016/9 - 2017/8
Principal Supervisor Judi Yang (Completed) , University of Toronto
Student Degree Start Date: 2016/9
Student Degree Received Date: 2017/8
Thesis/Project Title: Judi analyzed the experience of the Multi-Organ Transplant Biobank, that Dr. Konvalinka directs. She collected and analyzed data pertaining to findings on kidney allograft time zero biopsies and complications in the first month post-transplant. Judi won the first place award from the Multi-Organ Transplant Student Summer Research Program for the best presentation and the quality of work performed during this project.
Project Description: Judi worked as a paid student with the Multi-Organ Transplant Regenerative Medicine Program. She reviewed our experience with biobanking and the time zero kidney allograft biopsy findings. Judi was awarded first place at the Multi-Organ Transplant Student Summer Research Program.
Present Position: Master's student

Master's Thesis [n=3]

2022/9 - 2024/8
Principal Supervisor Slaghaniya Neupane (Completed) , Institute of Medical Science
Student Degree Start Date: 2022/9
Student Degree Received Date: 2024/4
Thesis/Project Title: Hepatocyte Nuclear Factor 4 Alpha (HNF4A) as a Regulator of Kidney Graft Repair. Slaghaniya has won a number of awards for her project, including: the Queen Elizabeth Scholarship 2023-2024, the Institute of Medical Science Open Fellowship Award 2023-2024, MITO2i Scholarship 2024, Three-minute thesis competition winner, and M3K top poster award. She recently won the Women in Transplantation fellowship 2024, an international award given by The Transplantation Society.
Project Description: Slaghaniya has joined my lab to study how Hepatocyte Nuclear Factor 4 Alpha (HNF4A) agonism affects the kidney proximal tubular cells and whether it can protect the kidney graft from ischemia reperfusion injury.
Present Position: PhD Candidate

2022/9 - 2024/8
Principal Supervisor Maya Allen (In Progress) , Laboratory Medicine and Pathobiology
Student Degree Start Date: 2022/9
Thesis/Project Title: Studying Antibody Mediated Rejection in the Kidney Allograft using Spatial Proteomics
Project Description: Maya is studying the composition of myeloid cells and their Fcγ receptors in the context of antibody mediated rejection in the kidney allograft, using imaging mass cytometry.
Present Position: Master's degree candidate

2020/1 - 2022/8
Principal Supervisor Aninda Saha (Completed) , University of Toronto, Institute of Medical Science
Student Degree Start Date: 2020/1
Student Degree Received Date: 2022/8
Thesis/Project Title: The role of hepatocyte nuclear factors in ischemia reperfusion injury associated with kidney transplant. Awards: the IMS entrance scholarship, and the Queen Elizabeth Scholarship x 2.
Project Description: Aninda has joined the lab to study the regulation and expression of a transcription factor, HNF4A, in human primary proximal tubule cells and in pig and human kidneys. This is a collaborative project with Drs. Selzner and Robinson. Aninda has already won an entrance scholarship and the Queen Elizabeth II Scholarship.
Present Position: Research assistant

Doctorate [n=4]

- 2021/9
Principal Supervisor Slaghaniya Neupane (In Progress) , University of Toronto
Student Degree Start Date: 2024/4
Student Degree Expected Date: 2027/6
Thesis/Project Title: Hepatocyte Nuclear Factor 4 Alpha (HNF4A) as a Regulator of Kidney Graft Repair. Slaghaniya has won a number of awards for her project, including: the Queen Elizabeth Scholarship 2023-2024, the Institute of Medical Science Open Fellowship Award 2023-2024, MITO2i Scholarship 2024, Three-minute thesis competition winner, and M3K top poster award. She recently won the Women in Transplantation fellowship 2024, an international award given by The Transplantation Society.
Present Position: PhD Candidate
- 2020/1 - 2024/1
Principal Supervisor Alex Boshart (In Progress) , University of Toronto, Institute of Medical Science
Student Degree Start Date: 2020/1
Thesis/Project Title: The role of Galectin-1 in antibody-mediated rejection. Alex will work on a new ex vivo model of peritubular capillary together with our biomedical engineer collaborators - Dr. Radisic and Dr. Zhang. Awards: the entrance scholarship from IMS and the Queen Elizabeth Scholarship. He also won the Canadian Graduate Scholarship for Master's degree from CIHR.
Project Description: Alex has joined the lab to develop, in collaboration with the biomedical engineering collaborator, a novel kidney-on-chip model of peritubular capillary. As part of the process, he will study antibody-mediated regulation and effects of one particular protein, galectin-1. Alex has won an entrance scholarship, a Queen Elizabeth II Scholarship and the Frederick Banting and Charles Best Canada Graduate Scholarship-Master's from CIHR.
Present Position: PhD student
- 2015/7 - 2020/7
Co-Supervisor Julie Van (Completed) , University of Toronto
Student Degree Start Date: 2014/1
Student Degree Received Date: 2020/7
Thesis/Project Title: Analyses of the Urinary Peptidome And Proteome of Early Type 1 Diabetes Before Clinical Evidence of Kidney Injury. Awards: Banting & Best Diabetes Centre Doctoral Award twice, the STAR award from the American Society of Nephrology (2018) and multiple travel awards.
Project Description: Julie has developed methods for determination of the naturally-occurring urinary peptidome. She has applied this method to urine samples from juvenile type I diabetics and healthy age-matched controls, in order to determine those peptides that are differentially excreted in early diabetes compared to healthy individuals. She subsequently computationally identified those proteases that may be active in the kidney, and that may have caused the appearance of specific peptides in urine. Finally, the student validated top candidate peptides in an independent subgroup of patients with type I diabetes mellitus, and is working to decipher their bioactivity. Julie has been awarded the BBDC scholarship repeatedly during her PhD degree, as well as the STAR fellowship from the American Society of Nephrology (2018).
Present Position: Post-doctoral fellow

2015/1 - 2016/1
Co-Supervisor

Clotet-Freixas, Sergi (Completed) , Institut Hospital del Mar d'Investigaciones Mediques de Barcelona
Student Degree Start Date: 2015/1
Student Degree Received Date: 2016/9
Thesis/Project Title: Sergi came from Barcelona, where he was completing a basic science PhD, to learn proteomics-based techniques, and study the effect of sex hormones on the kidney cell proteome.
Project Description: Sergi came from Barcelona, where he was completing a PhD, to learn technical and conceptual methods of studying kidney cell response to sex hormones, and the effect of diabetes and sex on proteases active in the kidney. He was studying the effect of estrogen and testosterone on the proteome of kidney cells. In parallel, he developed a method for determination of active serine hydrolases in the kidneys of mouse model of diabetes mellitus type I, as well as wild type mice.
Present Position: Research Associate

Post-doctorate [n=7]

2022/6 - 2024/12
Principal Supervisor

Kieran Manion (In Progress) , University Health Network
Student Degree Start Date: 2022/6
Thesis/Project Title: Determining Donor-Specific Antibody Pathogenicity in Kidney Transplantation Using Tissue Proteomics and Systems Immunology. Kieran has won the Toronto General Hospital Research Institute Fellowship (2022) and was selected as the top poster at the annual Research Institute's day (2022), oral abstract at the ITS International meeting (2023), American Transplant Congress (2023), and top abstract award at the CST Annual Meeting (2023).
Project Description: Dr. Manion is studying the molecular features of donor specific antibodies and their interaction with the kidney tissue. She has already received the Toronto General Hospital Research Institute Fellowship 2022 and the top poster award at the annual research institute meeting.
Present Position: Post-doctoral fellow

2021/12 - 2022/6
Principal Supervisor

Bora Onat (Completed) , Unviersity of Ankara
Student Degree Start Date: 2021/12
Thesis/Project Title: Dr. Onat came to my lab from Turkey to learn a proteomics-based technique called SILAC, in order to understand how SARS-CoV2 virus infects human cells. With the proposed research, he received the prestigious Horizons 2020 European Fellowship.
Present Position: Post-doctoral fellow

2018/7 - 2023/12
Principal Supervisor

Sofia Farkona (In Progress) , Toronto General Hospital Research Institute
Student Degree Start Date: 2018/8
Thesis/Project Title: Parallel reaction monitoring methods for quantification of fibrotic signature (angiotensin II-regulated) proteins in urine of kidney transplant recipients.
Awards: HUPO travel award (2019), Multi-Organ Transplant Fellowship (2021, 2022), Toronto General Hospital Research Institute Fellowship (2021), CST Fellowship award (2022)
Project Description: Dr. Farkona is developing parallel reaction monitoring assays for quantification of angiotensin II-regulated proteins that we previously discovered in urine of kidney transplant recipients. Additionally, she is studying the epigenetic regulation of these proteins.
Present Position: Post-doctoral fellow

- 2017/9 - 2018/6
Academic Advisor
- Boyang Zhang (Completed) , University Health Network
Student Degree Start Date: 2017/1
Student Degree Received Date: 2018/6
Thesis/Project Title: Development of a novel kidney-on-chip
Project Description: Dr. Zhang is a biomedical engineer supervised by Dr. Milica Radisic, who has been working with Dr. Konvalinka on designing a kidney-on-a-chip model to help us study antibody-mediated rejection ex vivo. Dr. Zhang is the recipient of a prestigious BBDC Fellowship Award (2017).
Present Position: Principal Investigator
- 2017/7 - 2020/9
Principal Supervisor
- Caitriona McEvoy (Completed) , University Health Network
Student Degree Start Date: 2017/7
Student Degree Received Date: 2020/9
Thesis/Project Title: Proteomics and transcriptional signatures in normothermic ex vivo kidney perfusion of porcine kidney allografts. Awards: the Menkes Fellowship 2017-2020, the Multi-Organ Transplant Fellowship award (2019, 2020).
Project Description: Dr. McEvoy is a transplant nephrologist with a PhD degree in basic science. She has joined my lab to study the molecular underpinnings of the effect of allo- and auto-antibodies on kidney microvascular endothelial cells in a setting of antibody-mediated rejection. Dr. McEvoy is supported by the Menkes' foundation award and has received the UHN Multi-Organ Transplant fellowship in 2019 for her proposal pertaining to the study of molecular mechanisms underpinning the beneficial effects of normothermic ex vivo kidney perfusion.
Present Position: Staff Nephrologist
- 2016/11 - 2022/6
Principal Supervisor
- Clotet-Freixas, Sergi (Completed) , University Health Network
Student Degree Start Date: 2016/11
Student Degree Received Date: 2022/6
Thesis/Project Title: Metabolic effects of sex hormones on kidney cells and their potential consequences on kidney disease progression. The proteome of kidney allograft biopsies with antibody-mediated rejection. Awards: 1st place twice for Basic Science Fellows' Presentation at the annual Division of Nephrology competition; the Canadian Society of Transplantation Fellowship, the prestigious STAR award at the ASN and the KRESCENT Fellowship (2019-2022).
Project Description: Dr. Clotet-Freixas has joined my lab as a post-doctoral fellow, in order to study the mechanisms of antibody-mediated rejection and to develop a method for monitoring the effect of donor-specific antibodies on endothelial cells in vitro. Dr. Clotet-Freixas also studies the effect of sex on metabolism in kidney cells and the mechanisms behind sex-specific predilection of diabetic and chronic kidney disease. Dr. Clotet-Freixas has received a Canadian Society of Transplantation Fellowship Award (2017), first place for basic science award at the Renal Fellows' Research Day in Toronto (2017), HUPO travel award (2016), BBDC Trainee Travel Award (2017/18), Toronto General Hospital Research Institute Fellowship Award (2018), STAR fellowship from the American Society of Nephrology (2018), the prestigious KRESCENT fellowship (2019 - 2022), first place for basic science research award at the Renal Fellows' Research Day 2021.
Present Position: Assistant Professor at McMaster University

2016/9 - 2018/6
Principal Supervisor

Mohammed-Ali, Zahraa (Completed) , McMaster University
 Student Degree Start Date: 2016/9
 Student Degree Received Date: 2018/6
 Student Canadian Residency Status: Canadian Citizen
 Thesis/Project Title: Quantification of angiotensin II-regulated proteins in urine of kidney allograft recipients as potential markers of kidney fibrosis. Awards: the Canadian Society of Transplantation Fellowship Award and the Toronto General Hospital Research Institute Fellowship Award, as well as the Ricker Family Post-Doctoral Award.
 Project Description: Dr. Mohammed-Ali utilized mass spectrometry techniques to determine whether urinary excretion of previously defined angiotensin-II proteins correlates with interstitial fibrosis and tubular atrophy in kidney grafts of patients with a kidney transplant. Most informative proteins are being subjected to further study in concomitant kidney graft biopsies, and in animal models of fibrotic kidney disease. Dr. Mohammed-Ali won the Ricker Family Post-doctoral Award (2016), the Toronto General Hospital Research Institute Fellowship Award (2017) and the Canadian Society of Transplantation Research Award (2017).
 Present Position: Clinical Chemist, University Health Network

Project Funding Sources: Canadian national transplant research network
 Amount - 25,000 (Canadian dollar)

Student Recognitions

2016 - 2017 The Ricker Family Post-Doctoral Award
 Toronto General Hospital Research Institute
 Prize / Award

Research Associate [n=1]

2022/7 - 2023/6
Principal Supervisor

Sergi Clotet-Freixas (Completed) , University Health Network
 Student Degree Start Date: 2016/11
 Student Degree Received Date: 2022/6
 Thesis/Project Title: Investigating sex-based differences in kidney health and disease
 Project Description: Dr. Clotet-Freixas has completed his KRESCENT fellowship and is currently finalizing a manuscript investigating novel findings pertaining to the biology of sex difference in the healthy and diabetic kidney. He is also helping establish a pre-clinical model of ischemia reperfusion injury and test novel agents in vivo.
 Present Position: Assistant Professor at McMaster University

Staff Supervision

Event Administration

2020/10 - 2021/10 Co-organiser, Canadian Society of Transplantation Annual Conference, Conference, Canadian Society of Transplantation, 2021/10 - 2021/10

Editorial Activities

2023/8 Invited Editor, "Novel Therapeutic Targets for Alloimmune Injury in Solid Organ Transplantation" topic for journal Frontiers in Immunology, Journal

2022/10 - 2024/9 Associate Editor, Frontiers, Journal
 Invited to the board of Glomerular disease (specialty section of Frontiers in Nephrology)

2016/10 - 2019/9 Editorial board member, Canadian Journal of Kidney Health and Disease, Journal

Mentoring Activities

2023/1	<p>PAC member, University of Toronto Number of Mentorees: 3 Mentorees: Samantha Ricardo, Tafsia Hussain, Daniel Vosoughi Committee member for Master's degree students in the Institute for Medical Science</p>
2022/1	<p>PAC member, University of Toronto Number of Mentorees: 4 Mentorees: Sreemoyee Ghosh, Mercy Olanike Akinola, Sumi Karunagaran. Lisa Hong Committee member for students in the Institute of Medical Science and Laboratory Medicine and Pathobiology</p>
2021/9	<p>PAC member, University of Toronto Number of Mentorees: 1 Mentorees: Martin Mak Committee member for the student in the Department of Immunology</p>
2021/1	<p>PAC committee member, University of Toronto Number of Mentorees: 1 Chuan (Mary) Liu is a PhD student supervised by Prof. Radisic (Dept. of Biomedical Engineering), who is working on development of a kidney peritubular capillary on a chip.</p>
2019/9	<p>PAC committee member, University of Toronto Number of Mentorees: 1 Akanchaya Rana is a Masters degree student in the lab of Dr. Moumita Barua from Division of Nephrology, who has been studying the basement membrane injury in Alport mouse model.</p>
2019/6	<p>Reclassification examiner, University of Toronto Number of Mentorees: 1 Mentorees: Rafaela Vanin Pinto Ribeiro MSc student Rafaela Vanin Pinto Ribeiro, Dept. Institute of Medical Science. Topic: Targeting Latent Cytomegalovirus in Donor Lungs Using a Novel Fusion Toxin Protein During Ex vivo Lung Perfusion. Supervisor(s): Cypel M, Humar A.</p>
2019/1	<p>PhD Thesis Examiner, University of Toronto Number of Mentorees: 1 Mentorees: Carla Muytjens I was invited to act as a PhD Thesis Examiner for Carla Muytjens, who was supervised by Dr. Eleftherios Dlamandis.</p>
2018/9	<p>PAC committee member, University of Toronto Number of Mentorees: 1 Mentorees: Olivia Hugh I have been a member of the PAC committee for the MSc student Olivia Hugh. Topic: The Use of Dialysis to Prolong Ex Vivo Lung Perfusion. Supervisor(s): Dr. Mingyao Liu</p>
2018/5	<p>PhD Transfer Oral Examiner, University of Toronto Number of Mentorees: 1 I was invited as an internal examiner on the transfer oral of student Aaron Wong, whose project title was: A Bioinformatics Analysis of Lung Injury during Ex Vivo Lung Perfusion. Supervisors: Dr. Mingyao Liu and Dr. Shaf Keshavjee</p>

- 2017/6 Thesis Examiner, University of Toronto
Number of Mentorees: 1
I was an internal examiner for MSc defense of Ms. Angela Brijmohan, supervised by Dr. Andrew Advani, whose thesis was entitled "Role of HDAC6 in Transcription Factor EB Mediated Clearance of Misfolded Proteins in Chronic Kidney Disease".
- 2017/1 PAC member, University of Toronto
Number of Mentorees: 1
I am a PhD committee member for Peter Urbanellis, who is a surgeon scientist under the supervision of Dr. Markus Selzner, studying the mechanisms behind beneficial effects of normothermic ex-vivo perfusion in a porcine model.
- 2016/11 PAC member, University of Toronto
Number of Mentorees: 1
Mentorees: Anastasia Korolj
I am a member of the PAC committee for a Master's degree student Anastasia Korolj in the Department of Chemical Engineering and Applied Chemistry.
- 2016/11 PhD transfer oral examiner, University of Toronto
Number of Mentorees: 1
PhD transfer exam. Student: Anastasia Korolj, Chemical Engineering and Applied Chemistry, Title: Engineering the Fractal Properties of Podocytes; Supervisor: Dr. Milica Radisic
- 2016/6 Thesis Examiner, University of Toronto
Number of Mentorees: 1
Master's defense. Student: Vanessa Rojas-Luengas; Institute of Medical Science; Title: A Unique Gene Expression Profile to Identify Operationally Tolerant Liver Transplant Recipients; Supervisor: Dr. Gary Levy
- 2022/3 - 2023/12 PAC member, University of Toronto
Number of Mentorees: 1
Mentorees: Laura Whittall-Garcia
Topic: Neutrophil Extracellular Traps as a biomarker to predict outcomes in Lupus Nephritis. Supervisor(s): Dr. Murray Urowitz, Dr. Joan Wither.
- 2021/11 - 2023/1 PAC member, University of Toronto
Number of Mentorees: 1
Mentorees: Vanessa De Gregorio
Post translational modification of type IV collagen compensates for basement membrane abnormalities in the kidney glomerulus. Supervisor(s): Dr. Moumita Barua.
- 2018/9 - 2020/6 PAC committee member, University of Toronto
Number of Mentorees: 1
Mentorees: Goodness Madu
I have been a member of the PAC committee for a MSc student Goodness Madu, in the Dept. of Medical Science. Topic: Isolation and characterization of donor-derived exosomes in human lung transplantation. Supervisor(s): Stephen Juvet.

Conference Review Activities

- 2024/6 Abstract Reviewer, Kidney Week Annual Meeting, Blind, American Society of Nephrology
Number of Works Reviewed / Refereed: 10
- 2024/2 Abstract Reviewer, Canadian Society of Nephrology Annual General Meeting 2024, Double Blind, Canadian Society of Nephrology
Number of Works Reviewed / Refereed: 18

2023/12 - 2024/1	Abstract Reviewer, American Transplant Congress/ Biomarkers: -omics and Systems Biology, Double Blind, The American Society of Transplant Surgeons and the American Society of Transplantation Number of Works Reviewed / Refereed: 24
2022/6 - 2022/6	Reviewer, Kidney Week Annual Meeting, Open, American Society of Nephrology Number of Works Reviewed / Refereed: 10
2022/1 - 2022/2	Reviewer, Canadian Society of Nephrology Annual General Meeting 2022, Open, Canadian Society of Nephrology Number of Works Reviewed / Refereed: 15
2021/12 - 2021/12	Reviewer, American Transplant Congress/ Biomarkers: -omics and Systems Biology, Open, The American Society of Transplant Surgeons and the American Society of Transplantation Number of Works Reviewed / Refereed: 12

Graduate Examination Activities

2022/8	Master's Oral Exam Chair, Valentina Bruno, Institute of Medical Science, University of Toronto
2022/6	Master's Oral Exam Chair, Seung Hyun Ki, Laboratory Medicine and Pathobiology, University of Toronto
2022/3	Committee Member, Laura Whittall-Garcia, Institute of Medical Science, University of Toronto
2022/2	Master's Oral Exam Member, Maria Maqsood, Laboratory Medicine and Pathobiology, University of Toronto
2022/1	Committee Member, Lisa Hong, Institute of Medical Science, University of Toronto
2021/11	Committee Member, Vanessa De Gregorio, Institute of Medical Science, University of Toronto
2021/2	Examiner, Mary Liu, Biomedical Engineering, University of Toronto
2021/2	Committee Member, Mary Liu, Biomedical Engineering, University of Toronto
2021/1	Committee Member, Martin Mak, Immunology, University of Toronto
2019/6	Examiner, Rafaela Vanin Pinto Ribeiro, Institute of Medical Science, University of Toronto
2019/1	PhD Oral Exam Member, Carla Muytjens, Laboratory Medicine and Pathobiology, University of Toronto
2018/9	Committee Member, Olivia Hugh, Institute of Medical Science, University of Toronto
2018/5	Examiner, Aaron Wong, Institute of Medical Science, University of Toronto
2017/6	Master's Oral Exam Member, Angela Brijmohan, Institute of Medical Science, University of Toronto
2016/11	Examiner, Anastasia Korolj, Chemical Engineering and Applied Chemistry, University of Toronto
2016/6	Examiner, Rojas-Luengas, Vanessa, University of Toronto
2019/9 - 2021/9	Committee Member, Laura-Ioana Mazilescu, Institute of Medical Science, University of Toronto
2016/11 - 2021/9	Committee Member, Anastasia Korolj, Biomedical Engineering, University of Toronto
2017/9 - 2021/6	Committee Member, Akanchaya Rana, Institute of Medical Science, University of Toronto

2018/9 - 2020/6	Committee Member, Goodness Madu, Institute of Medical Science, University of Toronto
2017/1 - 2020/6	Committee Member, Peter Urbanellis, Institute of Medical Science, University of Toronto

Research Funding Application Assessment Activities

2018/11	Committee Member, American Society of Transplantation Faculty Development Grants, Organization, Academic Reviewer, American Society of Transplantation Number of Applications Assessed: 10
2015/6	External Reviewer, Saskatchewan Health Research Foundation's Establishment Grant Program, Organization, Academic Reviewer, Saskatchewan Health Research Foundation Number of Applications Assessed: 1
2014/6	External Reviewer, UK National Institute of Academic Anaesthesia, Organization, Academic Reviewer, National Institute for Health Research Number of Applications Assessed: 1
2017/11 - 2023/12	Committee Member, Hematology, Digestive Disease & Kidney (HDK) committee, CIHR, Funder, Academic Reviewer, Canadian Institutes of Health Research Number of Applications Assessed: 30
2017/11 - 2019/12	Committee Member, Canadian Institutes of Health Research, Hematology, Digestive Disease & Kidney (HDK) committee, Organization, Academic Reviewer, Canadian Institutes of Health Research Number of Applications Assessed: 14
2016/11 - 2018/12	Committee Member, Kidney Foundation of Canada Biomedical Research Grant Peer Review Committee, Organization, Academic Reviewer, Kidney Foundation of Canada Number of Applications Assessed: 17
2016/10 - 2016/11	Committee Member, Canadian National Transplant Research Network Personalized Medicine Grant, Organization, Academic Reviewer, Canadian National Transplant Research Network Number of Applications Assessed: 7
2016/10 - 2016/11	External Reviewer, Canadian National Transplant Research Program Personalized Medicine Research Grant, Organization, Academic Reviewer, Canadian National Transplant Research Program Number of Applications Assessed: 7

Community and Volunteer Activities

2021/11	Member, Canadian Society of Nephrology Scientific Committee Member
2015/7	Director, Multi-Organ Transplant Biobank
2021/11 - 2023/11	Board Member, Canadian Society of Transplantation Elected member of the CST board
2021/9 - 2022/8	Chair, American Society of Transplantation Chair of the Basic Scientific Review Committee
2022/2 - 2022/6	Chair, Canadian Donation and Transplantation Research Network Chair of the 2022 CDTRP Research Innovation Grant Competition
2020/9 - 2021/12	Chair, Canadian Society of Transplantation Annual Meeting Organization of the annual meeting for the national organization Canadian Society of Transplantation

- 2020/6 - 2021/7 Co-Chair, American Society of Transplantation
Co-Chair of the Basic Scientific Review Committee
- 2017/3 - 2020/3 Member, Can-SOLVE CKD Research Operations Committee, Can-SOLVE CKD Network
Can-SOLVE CKD is one of the 5 newly funded networks in chronic kidney disease. CIHR provides funding in the amount of \$40 million over 5 years. I was invited to participate on the committee to review research projects and advise the project leads and the Steering Committee.

International Collaboration Activities

- 2017/7 Project co-supervisor, Canada
I am participating in a joint project with Dr. Catherine Godson from Dublin, Ireland. The project's aim is to determine molecular mechanisms of fibrosis in kidney allografts, through examination of their transcriptional signatures. This project has been carried out by Dr. Caitriona McEvoy, who is a post-doctoral fellow in my lab. Dr. McEvoy will validate her transcriptional signature in the Toronto cohort of kidney allograft recipients.
- 2020/5 - 2027/6 Co-investigator, United States of America
I have established a collaborative network with Dr. Jushnu Das from Pittsburgh, who is a computational biologist with training in computational immunology. We have launched into high-throughput profiling of kidney allograft tissue proteomes and circulating antibodies in the context of rejection.
- 2015/1 - 2022/10 Project co-supervisor, Spain
Through supervision of a PhD student, Sergi Clotet, Dr. Konvalinka has established a lasting collaboration with Dr. Maria Soler in Barcelona.
- 2012/6 - 2013/8 Collaborator, United States of America
I collaborated with Drs. Thomas Coffman and Susan Gurley to demonstrate that observations I had made in my PhD studies in vitro were relevant in vivo in an animal model of kidney disease. This collaboration led to a successful publication in the Journal of Biological Chemistry.

Committee Memberships

- 2019/8 Committee Member, Research Network Scientific Review Committee, American Society of Transplantation
- 2017/2 Committee Member, Can-SOLVE CKD Research Operations Committee, Can-SOLVE CKD
Can-SOLVE CKD is one of the 5 newly funded networks in chronic kidney disease, funded by the CIHR (\$40 million over 5 years). Dr. Konvalinka was invited to participate on the committee to review research projects and advise the project leads and the Steering Committee.
- 2015/1 Chair, Multi-organ Transplant Biobank Executive Committee, Toronto General Hospital
Dr. Konvalinka was given a leadership role to spearhead the Multi-Organ Transplant Biobank, and she will execute and oversee all biobanking activities for kidney, pancreas, and liver transplant groups. She is also the chair of the Multi-Organ Transplant Biobank Executive Committee, which oversees biobanking activities, and makes decisions regarding allocation of biospecimens.
- 2021/9 - 2022/8 Chair, Basic Scientific Review Committee, American Society of Transplantation
Assigning grant reviews to the members of the committee, reviewing the grants assigned and chairing the meeting of the committee

2022/3 - 2022/6	Chair, 2022 CDTRP Research Innovation Grant Competition, Canadian Donation and Transplantation Research Program Dr. Konvalinka was invited to Chair the 2022 Research Innovation Grant Competition review panel
2020/7 - 2021/6	Co-chair, Basic Scientific Review Committee, American Society of Transplantation

Presentations

- (2024). Investigating Kidney Tissue Responses to Donor Specific Antibodies in Antibody Mediated Rejection. Canadian Donation and Transplantation Research Program (CDTRP). Research Connect Series., Toronto, Canada
Main Audience: Knowledge User
Invited?: Yes, Competitive?: Yes
Description / Contribution Value: Bi-monthly seminar where researchers present their findings and discuss their work with colleagues, students, and PFDs from diverse backgrounds.
- (2024). Plenary IV: TBD. American Society of Histocompatibility and Immunogenetics, Anaheim, United States of America
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes, Competitive?: Yes
- (2024). Understanding Kidney Allograft Injury Through Molecular and Systems Biology Approaches. Mayo Clinic Grand Rounds, Rochester, United States of America
Main Audience: Knowledge User
Invited?: Yes, Competitive?: Yes
Description / Contribution Value: Invited as a visiting speaker to talk about proteomics in kidney and liver transplantation as well as non-HLA antibodies.
- (2023). Kidney Allograft Tissue Injury and its Relationship with Auto- and Allo-antibodies. Symposium on Auto-immunity, Complement and Tissue injury in Transplantation., Montreal, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No, Competitive?: Yes
Description / Contribution Value: Speaker in the session entitled: "Monitoring and preventing tissue injury".
- Dr. S. Joseph Kim, Dr. John Gill. (2023). The future of science in Canada - From Single-cell Profiling of Healthy Human Kidney to Studies of Kidney Graft Compartments in Antibody-Mediated Rejection. Canadian Society of Transplantation Annual Meeting, Winnipeg, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No, Competitive?: Yes
Description / Contribution Value: Invited to speak at the Kidney Group Concurrent Session, part of the 2023 CST Annual Scientific Meeting.
- (2023). From Single-cell Profiling of Healthy Human Kidney to Studies of Kidney Graft Compartments in Antibody Mediated Rejection. McGill Nephrology City Wide Rounds, Montreal, Canada
Main Audience: Knowledge User
Invited?: Yes, Competitive?: Yes
- (2023). Antibodies and their interactions with the kidney allograft tissue in antibody mediated rejection. Alberta Transplant Institute Seminar Series. Alberta Transplant Institute, Toronto (virtual presentation), Canada
Main Audience: Researcher
Invited?: Yes, Competitive?: Yes
Description / Contribution Value: Invited talk to discuss the link between glycomics and rejection in solid organ transplantation.

8. (2023). Single-cell profiling of healthy human kidney reveals features of sex-based transcriptional programs and tissue specific immunity. The American Society for Histocompatibility and Immunogenetics (ASHI), the American Society of Transplantation (AST), and The Transplantation Society (TTS) co-hosted FOCIS conference, Boston, United States of America
Main Audience: Researcher
Invited?: Yes, Keynote?: No
9. (2023). Single-cell profiling of healthy human kidney reveals features of sex-based transcriptional programs and tissue-specific immunity. International Transplantation Science Meeting 2023, Niagara-on-the-Lake, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
10. (2022). Antibodies and their interactions with the kidney allograft tissue in antibody mediated rejection. Canadian Society of Nephrology. Virtual webinar series., Toronto (virtual presentation), Canada
Main Audience: Knowledge User
Invited?: Yes, Competitive?: Yes
11. (2022). Antibodies and their interactions with the kidney allograft tissue in antibody mediated rejection. Women Leaders in Canadian Nephrology Summit., Toronto, Canada
Main Audience: Knowledge User
Invited?: Yes, Competitive?: Yes
12. Dr. Ana Konvalinka, Dr. Katalin Susztak, Dr. Markus Rinschen, Dr. Mathias Kretzler. (2021). Microproteomics in transplant glomerulopathy. 13th International Podocyte Conference, Manchester, United Kingdom
Main Audience: Researcher
Invited?: Yes, Keynote?: No
13. Annalisa Berzigotti, Gianni Biancofiore, Amelia Hessheimer. (2021). The Toolbox for Managing Kidney Dysfunction Post-Liver Transplant: What is Beyond Immunosuppression?. Contemporary Issues in Transplant Care. AASLD/ILTS Transplantation Course., United States of America
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No
14. (2021). Systems biology approaches to study antibody mediated rejection in the kidney allograft. Invited speaker at the Research Rounds for the Division of Nephrology, Hamilton, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
15. (2021). Molecular Insights into Antibody Mediated Rejection in the Kidney Allograft. Canadian Molecules and Mechanisms Mediating Kidney Health and Disease (M3K) Meeting, Toronto (virtual presentation), Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No, Competitive?: Yes
Description / Contribution Value: Invited to speak in the session entitled: The immune system is not always pleasant -Transplantation and Inflammation.
16. (2021). Plenary Session 2: Cutting edge technologies in transplantation. Proteomics of Antibody-Mediated Rejection. Canadian Society of Nephrology/ Banff Joint Meeting, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes
17. (2020). Using Proteomics and Systems Biology to Study Kidney Fibrosis. Maisonneuve-Rosemont Hospital Research Center Seminar Series. Invited by Dr. Casimiro Gerarduzzi., Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No

18. (2020). Proteomics studies in kidney allograft antibody mediated rejection. STI Transplantation Biology Seminar Series. Invited by Dr. Fadi Lakkis., United States of America
Main Audience: Researcher
Invited?: Yes, Keynote?: No
19. Hamar M, Urbanellis P, Kollmann D, Linares I, Kathis M, Bagli D, Konvalinka A, Mucsi I, Ghanekar A, Robinson L, Selzner M. (2018). Comparison of Continuous Normothermic Ex Vivo Kidney Perfusion to Hypothermic Preservation Methods in Pig Kidneys Donated after Cardiac Death. American Transplant Congress, Seattle, United States of America
Main Audience: Researcher
Invited?: No, Keynote?: No
20. (2018). Proteomics and organ injury. University of Western Ontario Transplant Grand Rounds, London, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No
21. (2018). Molecular mechanisms responsible for enhanced kidney allograft function following Normothermic Ex-vivo Kidney Perfusion (NEVKP) compared to Static Cold Storage (SCS). Canadian Society of Transplantation, Ottawa, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
22. McEvoy C, Brennan E, Dorman A, Sadlier D, Konvalinka A, Conlon P, Godson C. (2018). RNA-seq Based Analysis of Renal Allograft Biopsies Reveals Key Mediators of Interstitial Fibrosis/Tubular Atrophy. Oral presentation. American Transplant Congress, Seattle, United States of America
Main Audience: Researcher
Invited?: No, Keynote?: No
23. (2018). Immunomonitoring in Kidney Transplantation. Université de Montréal's Organ Transplant Program, Montreal, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No
24. Konvalinka A, Tokar T, Reid S, Urbanellis P, Hamar M, Kathis M, Jurisica I, Robinson L, Selzner M. (2018). A Proteomic Analysis of Kidneys Subjected to Normothermic Ex Vivo Kidney Perfusion Demonstrates That Metabolism is an Important Determinant of Kidney Function Following Warm Ischemia. American Transplant Congress, Seattle, United States of America
Main Audience: Researcher
Invited?: No, Keynote?: No
25. Mohammed-Ali Z, Reid S, Tokar T, Tavares A, Yip P, Cardinal H, Kim SJ, Jurisica I, John R, Konvalinka A. (2018). Urine Angiotensin II Signature Proteins as Biomarkers of Fibrosis in Kidney Transplant Recipients. American Transplant Congress, Seattle, United States of America
Main Audience: Researcher
Invited?: No, Keynote?: No
26. Z. Mohammed-Ali, T. Tokar, S. Reid, A. Tavares, P. Yip, H. Cardinal, Y. Li, S. J. Kim, I. Jurisica, R. John, A. Konvalinka. (2018). Angiotensin II Regulated Proteins as Markers of Fibrosis in Kidney Transplant Recipients. Oral presentation. Canadian Society of Transplantation, Ottawa, Canada
Main Audience: Researcher
Invited?: No, Keynote?: No
27. (2018). Proteomics and organ injury. Transplant Grand Rounds; University of Western Ontario, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No

28. Urbanellis P, Hamar M, Linares I, Kollmann D, Ganesh S, John R, Yip P, Ghanekar A, Bagli D, Konvalinka A, Grant D, Robinson L, Selzner M. (2018). Normothermic Ex Vivo Kidney Perfusion Restores the Genetic Profile of Marginal Kidney Grafts Subjected to Warm Ischemia. American Transplant Congress, Seattle, United States of America
Main Audience: Researcher
Invited?: No, Keynote?: No
29. John Arthur, Ana Konvalinka, Yvonne Lenighan, Neil Docherty. (2017). Urinary markers of kidney fibrosis discovered using proteomics and bioinformatics. Biomarker Symposium at the Conway Institute & School of Medicine, Ireland
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes
30. (2017). Liquid Specimens - New Frontier for Application of Emerging Technologies. International Society for Biological and Environmental Repositories (ISBER) Annual Meeting, Toronto, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No
31. Van JAD, Hauschild A, Jurisica I, Batruch I, Mahmud FH, Sochett E, Diamandis EP, Scholey JW, Konvalinka A. (2017). Uromodulin Proteolytic Processing is Altered in Youth with Type 1 Diabetes mellitus: A Peptidomic Analysis. American Society of Nephrology Renal Week, New Orleans, United States of America
Main Audience: Researcher
Invited?: No, Keynote?: No
32. Mohammed-Ali Z, Tokar T, Reid S, Tavares A, Yip P, Cardonal H, Li Y, Kim SJ, Jurisica I, John R, Konvalinka A. (2017). Urine Angiotensin II Signature Proteins as Biomarkers of Fibrosis in Kidney Transplant Recipients. Oral presentation. 16th Human Proteome Organization World Congress, Dublin, Ireland
Main Audience: Researcher
Invited?: No, Keynote?: No
33. (2017). A Spot-light on New Investigators. Utilizing Systems Biology Approaches to Identify Novel Treatments for Native and Transplant Kidney Diseases. Canadian Society of Nephrology Annual Meeting, Montreal, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No
34. (2017). Deciphering Link between Diabetic Kidney Disease and Energy Metabolism - From Basic Biology to the Clinic?. American Society of Nephrology Annual Meeting, New Orleans, United States of America
Main Audience: Researcher
Invited?: Yes, Keynote?: No
35. (2017). Urine Angiotensin II Signature Proteins as Biomarkers of Fibrosis in Patients with Kidney Transplant - the Impact of CNTRP for a New Investigator. Canadian Society of Transplantation - Canadian National Transplant Research Network Plenary Session, Halifax, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes
36. (2017). Systems Biology Approaches to Identify Key Mechanisms, Markers and Treatments of Kidney Disease. CASCON 2017 - The Cognitive Era: Data, Systems and Society, Toronto, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No

37. Mohammed-Ali Z, Reid S, Tokar T, Tavares A, Yip P, Cardinal H, Li Y, Kim SJ, Jurisica I, John R, Konvalinka A. (2017). Investigating Angiotensin II-regulated Proteins as Biomarkers of Fibrosis in Kidney Transplant Recipients. American Society of Nephrology Kidney Week, New Orleans, United States of America
Main Audience: Researcher
Invited?: No, Keynote?: No
38. Van JAD, Batruch I, Diamandis EP, Scholey JW, Konvalinka A. (2017). A Differential Excretion of Uromodulin Peptides Indicates Early Changes in the Diabetic Kidney. 16th Human Proteome Organisation World Congress, Dublin, Ireland
Main Audience: Researcher
Invited?: No, Keynote?: No
39. Urbanellis P, Hamar M, Linares I, Kollmann D, Ganesh S, John R, Yip P, Mucsi I, Ghanekar A, Bagli D, Konvalinka A, Grant D, Robinson L, Selzner M. (2017). Normothermic Ex Vivo Kidney Perfusion Improves Function of Marginal Renal Grafts That were Subjected to Prolonged Ischemia Prior to Preservation. Oral presentation. Top 10 transplant abstracts. American Society of Nephrology Kidney Week, New Orleans, United States of America
Main Audience: Researcher
Invited?: No, Keynote?: No
40. (2017). Urinary Markers of Kidney Fibrosis Discovered Using Proteomics and Bioinformatics. Seminar on Kidney Disease Biomarkers, Dublin, Ireland
Main Audience: Researcher
Invited?: Yes, Keynote?: No
41. (2017). Studying Kidney Fibrosis using Proteomics and Bioinformatics. Hospital For Sick Children nephrology rounds, Toronto, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
42. Clotet S, Soler MJ, Riera M, Pascual J, Fang F, Zhou J, Batruch I, Vasiliou S, Dimitromanolakis A, Diamandis EP, Scholey JW, Konvalinka A. (2017). SILAC-based Proteomics of Primary Human Kidney Cells Reveals a Novel Link Between Male Sex Hormones and Impaired Energy Metabolism in Diabetic Kidney Disease. American Society of Nephrology Renal Week, New Orleans, United States of America
Main Audience: Researcher
Invited?: No, Keynote?: No
43. Van JAD, Hauschild A, Jurisica I, Batruch I, Mahmud FH, Sochett E, Diamandis EP, Scholey JW, Konvalinka A. (2017). Lysosomal Enzymes Dominate Urinary Proteome of Adolescents with Type 1 Diabetes. American Society of Nephrology Renal Week, New Orleans, United States of America
Main Audience: Researcher
Invited?: No, Keynote?: No
44. Reid S, Simha R, Urbanellis P, Hamar M, Kathis M, Jurisica I, Robinson L, Selzner M, Scholey JW, Konvalinka A. (2017). Proteomics Analysis of Pig Kidneys Subjected to Warm Ischemia and Normothermic Ex Vivo Perfusion Reveals Differences in Metabolism. Oral presentation. Top 10 transplant abstracts. American Society of Nephrology Kidney Week, New Orleans, United States of America
Main Audience: Researcher
Invited?: No, Keynote?: No
45. Sergi Clotet Freixas. (2016). SILAC-Based Proteomics of Primary Human Kidney Cells Reveals a Novel Link Between Male Sex Hormones and Impaired Energy Metabolism in Diabetic Kidney Disease. American Society of Nephrology Annual Meeting, Chicago, United States of America
Main Audience: Researcher
Invited?: No, Keynote?: No

46. (2016). Quantification of Angiotensin II-Regulated Proteins in Urine of Patients with Polycystic and Chronic Kidney Diseases by Selected Reaction Monitoring. Human Proteome Organisation (HUPO), Taipei, Taiwan
Main Audience: Researcher
Invited?: Yes, Keynote?: No, Competitive?: Yes
47. (2016). Discovery and Relevance of Angiotensin II Signature Proteins in Patients with Kidney Disease. World Kidney Day/ Keynote Presentation, Hamilton, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes
48. Batruch I, Tokar T, Reid S, Dimitromanolakis A, Song X, Pei Y, Diamandis EP, Jurisica I, Scholey JW. (2016). Quantification of Angiotensin II-Regulated Proteins in Urine of Patients with Polycystic and Chronic Kidney Disease by Selected Reaction Monitoring. American Society of Nephrology Annual Meeting, Chicago, United States of America
Main Audience: Researcher
Invited?: No, Keynote?: No
49. Julie Van. (2016). Characterizing the Urinary Peptidome to Infer Protease Activity in the Diabetic Kidney. American Society of Nephrology Annual Meeting, Chicago, United States of America
Main Audience: Researcher
Invited?: No, Keynote?: No
50. (2016). UTILIZING SYSTEMS BIOLOGY APPROACHES TO STUDY KIDNEY DISEASE. World Kidney Day / St. Joseph's Hospital Hamilton, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes
51. (2016). INTERACTION BETWEEN KIDNEY TISSUE PROTEOME AND HUMORAL IMMUNITY IN ANTIBODY MEDIATED REJECTION. American Transplant Congress, Boston, United States of America
Main Audience: Researcher
Invited?: No, Keynote?: No
52. (2015). QUANTIFICATION OF ANGIOTENSIN II SIGNATURE PROTEINS IN HUMAN URINE (oral presentation). Advances in Organ Transplantation Conference, Boston, United States of America
Main Audience: Researcher
Invited?: Yes, Keynote?: No
53. (2015). QUANTIFICATION OF ANGIOTENSIN II SIGNATURE PROTEINS IN URINE OF PATIENTS WITH KIDNEY TRANSPLANT. Canadian Society of Transplantation Annual Meeting, Canada
Main Audience: Knowledge User
Invited?: No, Keynote?: No
54. (2015). QUANTIFICATION OF ANGIOTENSIN II SIGNATURE PROTEINS IN URINE OF PATIENTS WITH POLYCYSTIC KIDNEY DISEASE BY SRM: PILOT STUDY. HUPO 14th Annual Congress, Canada
Main Audience: Researcher
Invited?: No, Keynote?: No
55. (2014). DRUG REPURPOSING FOR TREATMENT OF EXPERIMENTAL ALPORT SYNDROME BY UTILIZING CONNECTIVITY MAP AND DRUG PAIR SEEKER. American Society of Nephrology Annual Meeting, TH-PO293, Philadelphia, United States of America
Main Audience: Researcher
Invited?: No, Keynote?: No
56. (2014). PERITUBULAR CAPILLARY VESSELS AND HYPOXIA/ANGIOGENESIS GENES IN KIDNEY BIOPSIES WITH TRANSPLANT GLOMERULOPATHY (poster presentation). World Transplant Congress, San Francisco, United States of America
Main Audience: Knowledge User
Invited?: No, Keynote?: No

57. (2014). DRUG REPURPOSING FOR TREATMENT OF EXPERIMENTAL ALPORT SYNDROME BY UTILIZING CONNECTIVITY MAP AND DRUG PAIR SEEKER (poster presentation). ISN Nexus Symposium on new era of drug discovery and clinical trials in kidney disease, Bergamo, Italy
Main Audience: Knowledge User
Invited?: No, Keynote?: No
58. (2014). DRUG REPURPOSING FOR TREATMENT OF EXPERIMENTAL ALPORT SYNDROME BY UTILIZING CONNECTIVITY MAP AND DRUG PAIR SEEKER (oral presentation). Canadian Society of Nephrology Annual Meeting, Vancouver, Canada
Main Audience: Knowledge User
Invited?: No, Keynote?: No
59. (2014). DEVELOPMENT OF ASSAYS FOR QUANTIFICATION OF ANGIOTENSIN II SIGNATURE PROTEINS IN HUMAN URINE. HUPO 13th Annual Congress, Spain
Main Audience: Researcher
Invited?: No, Keynote?: No
60. (2014). DEVELOPMENT OF ASSAYS FOR QUANTIFICATION OF ANGIOTENSIN II SIGNATURE PROTEINS IN HUMAN URINE. American Society of Nephrology Annual Meeting, SA-PO486, Philadelphia, United States of America
Main Audience: Researcher
Invited?: No, Keynote?: No
61. (2013). DISCOVERY AND VERIFICATION OF ANGIOTENSIN II SIGNATURE PROTEINS IN KIDNEY CELLS (oral presentation). Young Investigators' Forum 7, Montreal, Canada
Main Audience: Knowledge User
Invited?: No, Keynote?: No
62. (2013). A SILAC-BASED APPROACH DEFINES AN ANGIOTENSIN II REGULATED PROTEOME IN PRIMARY HUMAN KIDNEY CELLS (oral presentation). Human Proteome Organization 12th Annual World Congress, Young Investigator Session 3, Yokohama, Japan
Main Audience: Researcher
Invited?: No, Keynote?: No
63. (2013). ANGIOTENSIN II-REGULATED PROTEINS IN HUMAN KIDNEY CELLS AS MARKERS OF RENAL ANGIOTENSIN II ACTIVITY (poster presentation). American Society of Nephrology 46th Annual Meeting, Atlanta, United States of America
Main Audience: Knowledge User
Invited?: No, Keynote?: No
64. (2013). ANGIOTENSIN II REGULATED PROTEOME IN PRIMARY HUMAN KIDNEY CELLS (oral presentation). Canadian Society of Nephrology Annual Meeting, Montreal, Canada
Main Audience: Knowledge User
Invited?: No, Keynote?: No
65. (2012). BIOINFORMATIC TOOLKIT UNCOVERS NRF2 PROTEIN NETWORK IN ANGIOTENSIN II TREATED PROXIMAL TUBULAR CELLS (poster presentation). ISN Forefronts Symposium: Systems Biology and the Kidney, Ann Arbor, United States of America
Main Audience: Researcher
Invited?: No, Keynote?: No
66. (2012). ANGIOTENSIN II REGULATED PROTEOME OF HUMAN KIDNEY CELLS UNCOVERS NRF2 TARGETS (poster presentation). American Society of Nephrology 45th Annual Meeting, San Diego, United States of America
Main Audience: Knowledge User
Invited?: No, Keynote?: No

67. (2012). PROTEOMIC AND BIOINFORMATIC ANALYSES IDENTIFY ANGIOTENSIN II REGULATED PROTEINS IN KIDNEY CELLS (oral presentation). Human Proteome Organization 11th Annual World Congress, Boston, United States of America
Main Audience: Researcher
Invited?: No, Keynote?: No
68. (2012). NRF2 TARGET PROTEINS ARE REGULATED BY ANGIOTENSIN II IN KIDNEY CELLS (oral presentation). 4th Annual Symposium of Canadian National Proteomics Network, Toronto, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
69. (2010). DEFINING AN ANGIOTENSIN II-STIMULATED PROTEOME IN HUMAN KIDNEY CELLS. American Society of Nephrology 43rd Annual Meeting, Denver, United States of America
Main Audience: Knowledge User
Invited?: No, Keynote?: No

Broadcast Interviews

2021/04/21 - Ajmera Transplant Innovators Panel - Invited Speaker, Multi-Organ Transplant Program,
2021/04/21 YouTube

Text Interviews

2024/05/01 Decoding diabetic kidney disease, UHN Media, UHN News
http://intranet.uhn.ca/applications/iNews/ViewStory.aspx?s_id=6500
Description / Contribution Value: An interview highlighting findings from a recent publication in Science Translational Medicine and featuring Dr. Konvalinka and Dr. Clotet-Freixas.

2021/06/14 Forecasting Lung Transplant Fibrosis - our article was featured on UHN website and University of Toronto website. Association between renin-angiotensin system and chronic lung allograft dysfunction. Eur Respir J. 2021, Strategic Research Initiatives Development (StRiDe), UHN Research intranet and internet pages

2017/04/01 Dr. Clotet and I were interviewed in regards to our recent publication related to sex hormone effects on kidney cells (Molecular & Cellular Proteomics 2017), ASBMB Today (the magazine of the American Society for Biochemistry and Molecular Biology)

2012/03/01 Searching for New Biomarkers of Renal Diseases through Proteomics, I was interviewed in regards to a review I had published in the journal Clinical Chemistry. Podcast can be accessed at: HTTP://MEDIA.AACC.ORG/CCJPODCASTS/CLINCHEM201202_KONVALINKA.MP3

Publications

Journal Articles

1. Masataka Kawamura, Catherine Parmentier, Samrat Ray, Sergi Clotet-Freixas, Sharon Leung, Rohan John, Laura Mazilescu, Emmanuel Nogueira, Yuki Noguchi, Toru Goto, Bhranavi Arulratnam, Sujani Ganesh, Tomas Tamang, Kaitlin Lees, Trevor W. Reichman, Ana C. Andreazza, Peter K. Kim, Ana Konvalinka, Markus Selzner, Lisa A. Robinson. (2024). Normothermic ex vivo kidney perfusion preserves mitochondrial and graft function after warm ischemia and is further enhanced by AP39. Nature Communications. NA: NA.
Revision Requested,

2. Whittall-Garcia LP, Naderinabi F, Gladman DD, Urowitz M, Touma Z, Konvalinka A, Wither J. (2024). Circulating neutrophil extracellular trap remnants as a biomarker to predict outcomes in lupus nephritis. *Lupus Sci Med.* 11(1): e001038.
Published,
Refereed?: Yes
3. Mazilescu LI, Goto T, John R, Rosales R, Ganesh S, Yu F, Noguchi Y, Kawamura M, Dezard V, Gao F, Urbanellis P, Parmentier C, Konvalinka A, Bagli DJ, Reichman TW, Robinson LA, Selzner M. (2024). Combining Oxygenated Cold Perfusion With Normothermic Ex Vivo Perfusion Improves the Outcome of Donation After Circulatory Death Porcine Kidney Transplantation. *Transplantation.* 108(1): 184-191.
Published,
Refereed?: Yes
4. Clotet-Freixas, Sergi; Zaslaver, Olga; Kotlyar, Max; Pastrello, Chiara; Quaille, Andrew T; McEvoy, Caitriona M; Saha, Aninda D; Farkona, Sofia; Boshart, Alex; Zorcic, Katarina; Neupane, Slaghaniya; Manion, Kieran; Allen, Maya; Chan, Michael; Chen, Xuqi; Arnold, Arthur P; Sekula, Peggy; Steinbrenner, Inga; Köttgen, Anna; Dart, Allison B; Wicklow, Brandy; McGavock, Jon M; Blydt-Hansen, Tom D; Barrios, Clara; Riera, Marta; Soler, María J; Isenbrandt, Amandine; Lamontagne-Proulx, Jérôme; Pradeloux, Solène; Coulombe, Katherine; Soulet, Denis; Rajasekar, Shravanthi; Zhang, Boyang; John, Rohan; Mehrotra, Aman; Gehring, Adam; Puhka, Maija; Jurisica, Igor; Woo, Minna; Scholey, James W; Röst, Hannes and Konvalinka, Ana. (2024). Sex differences in kidney metabolism may reflect sex-dependent outcomes in human diabetic kidney disease. *Science Translational Medicine.* 16(737): eabm2090.
<http://dx.doi.org/doi: 10.1126/scitranslmed.abm2090>.
Last Author
Published,
Refereed?: Yes
Number of Contributors: 42
Description / Contribution Value: Article was highlighted in Nature Reviews Nephrology and in Nature Reviews Endocrinology.
5. Sofia Farkona, Chiara Pastrello, Ana Konvalinka. (2023). Proteomics: Its Promise and Pitfalls in Shaping Precision Medicine in Solid-organ Transplantation. *Transplantation.* 107(10): 2126-2142.
Published,
Refereed?: Yes, Open Access?: Yes
6. Shravanthi Rajasekar, Dawn S. Y. Lin, Feng Zhang, Alexander Sotra, Alex Boshart, Sergi Clotet-Freixas, Amy Liu, Jeremy A. Hirota, Shinichiro Ogawa, Ana Konvalinka, Boyang Zhang. (2022). Subtractive manufacturing with swelling induced stochastic folding of sacrificial materials for fabricating complex perfusable tissues in multi-well plates. *Lab on a Chip.* 22: 1929–1942.
Co-Author
Published,
Refereed?: Yes, Open Access?: Yes
7. Chruscinski, Andrzej; Rojas-Luengas, Vanessa; Moshkelgosha, Sajad; Issachar, Assaf; Luo, Jane; Yowanto, Handy; Lilly, Leslie; Smith, Robert; Renner, Eberhard; Zhang, Jianhua; Epstein, Maor; Grant, David; McEvoy, Caitriona; Konvalinka, Ana; Humar, Atul ; Adeyi, Oyedele; Fischer, Sandra; Felix H. Volmer, Felix; Taubert, Richard; Jäckel, Elmar; Juvet, Stephen; Selzner, Nazia; Levy, Gary. (2022). Evaluation of a Gene Expression Biomarker to Identify Operationally Tolerant Liver Transplant Recipients: The LITMUS Trial. *Clinical and Experimental Immunology.* 207(1): 123–139.
Published,
Refereed?: Yes

- [8.](#) Laura Ioana Mazilescu; Peter Urbanellis; S. Joseph Kim; Toru Goto; Yuki Noguchi; Ana Konvalinka; Trevor W Reichman; Blayne A Sayed; Istvan Mucsi; Jason Y Lee; Lisa A. Robinson; Anand Ghanekar; Markus Selzner. (2022). Normothermic Ex Vivo Kidney Perfusion for Human Kidney Transplantation: First North American Results. *Transplantation*. 106(9): 1852-1859.
Published,
Refereed?: Yes
- [9.](#) Rodriguez-Ramirez S, Al Jurdi A, Konvalinka A, Riella LV. (2022). Antibody-mediated rejection: prevention, monitoring and treatment dilemmas. *Current opinion in organ transplantation*. 27(5): 405-414..
Published,
Refereed?: Yes
- [10.](#) Caitriona M. McEvoy†, Julia M. Murphy†, Lin Zhang, Jessica A. Mathews, Sergi Clotet-Freixas, James An, Mehran Karimzadeh, Delaram Pouyabahr, Shenghui Su, Lewis Y. Liu, Bo Wang, Sonya A. MacParland, Gary D. Bader, Ana Konvalinka*, Sarah Q. Crome* (* Co-Senior and co-corresponding authors). (2022). Single-cell profiling of healthy human kidney reveals features of sex-based transcriptional programs and tissue-specific immunity. *Nature Communications*. 13(1): 7634.
Published,
Refereed?: Yes, Open Access?: Yes
- [11.](#) Vasiliou SK, Filippou PS, Clotet-Freixas S, Soosaipillai A, Batruch I, Viktor Tsianos F, Konvalinka A, Diamandis EP. (2022). Transcriptome profiling and proteomic validation reveals targets of the androgen receptor signaling in the BT-474 breast cancer cell line. *Clinical proteomics*. 19(1): 14.
Published,
Refereed?: Yes
- [12.](#) Sergi Clotet-Freixas, Max Kotlyar, Caitriona McEvoy, Chiara Pastrello, Sonia Rodríguez-Ramírez, Sofia Farkona, Heloise Cardinal, Mélanie Dieudé, Marie-Josée Hébert, Yanhong Li, Olusegun Famure, Peixuen Chen, S. Joseph Kim, Emilie Chan, Igor Jurisica, Rohan John, Andrzej Chruscinski, Ana Konvalinka. (2021). Autoantibodies Against Ro/SS-A, CENP-B, and La/SS-B are Increased in Patients with Kidney Allograft Antibody-Mediated Rejection. *Transplantation Direct*. 7(10): e768.
Last Author
Published,
Refereed?: Yes
- [13.](#) Sergi Clotet-Freixas, Ana Konvalinka. (2021). Too Little or Too Much? Extracellular Matrix Remodeling in Kidney Health and Disease. *Journal of the American Society of Nephrology*. 32(7): 1541-3.
Published,
Refereed?: Yes
- [14.](#) Caitriona M. McEvoy, Sergi Clotet-Freixas, Tomas Tokar, Chiara Pastrello, Shelby Reid, Ihor Batruch, Adrien RaoPeters, J. Moritz Kath, Peter Urbanellis, Sofia Farkona, Julie Van, Bradley L. Urquhart, Igor Jurisica, Lisa Robinson, Markus Selzner and Ana Konvalinka. (2021). Normothermic Ex-vivo Kidney Perfusion in a Porcine Auto-Transplantation Model Preserves the Expression of Key Mitochondrial Proteins: An Unbiased Proteomics Analysis. *Molecular & Cellular Proteomics*. 20: 100101.
Last Author
Published,
Refereed?: Yes
- [15.](#) Anastasia Korolj, Praful Aggarwal, Teng Cui, Xin Song, Laleh Shamaei, Naimeh Rafatian, Anastasia Radisic, Sonia Rodriguez-Ramirez, Chuan Liu, Chen Yu Li, Karl Wagner, Sergi Clotet-Freixas, Elizabeth Virlee, Mohtada Sadrzadeh, Tobin Filleter, Ulrich Broeckel, Ana Konvalinka, and Milica Radisic. (2021). Fractal cues support hierarchical maturation of podocytes via curvature-induced patterning. *Nature Materials*. NA: NA.
Revision Requested,
Refereed?: Yes

- [16.](#) Mamatha Bhat, Sergi Clotet-Freixas, Cristina Baciú, Elisa Pasini, Ahmed Hammad, Tommy Ivanics, Shelby Reid, Amirhossein Azhie, Marc Angeli, Anand Ghanekar, Sandra Fischer, Gonzalo Sapisochin, Ana Konvalinka. (2021). Combined proteomic/transcriptomic signature of recurrence post-liver transplantation for hepatocellular carcinoma beyond Milan. *Clinical Proteomics*. 18(1): 27.
Last Author
Published,
Refereed?: Yes
17. Aninda Dibya Saha and Ana Konvalinka. (2021). Living and Deceased Kidney Donation in Canada (an invited article). *ASN Kidney News*. 13(12): 14.
Published,
Refereed?: Yes
- [18.](#) Min Jeong Kim, Daniella Febbraro, Sofia Farkona, Taylor Gillmore, Joe Eun Son, Romario Regeenes, Huntley H. Chang, Yoo Jin Park, Tharini Sivasubramaniyam, Evan Pollock-Tahiri, Punit Saraon, Igor Stagljar, Jonathan Rocheleau, Chi-Chung Hui, Isabella Caniggia, Zhenyu Hao, Tak W. Mak, Ana Konvalinka, and Minna Woo. (2021). Distinct roles of UVRAG and EGFR signaling in skeletal muscle homeostasis. *Molecular Metabolism*. 47: 101185.
Co-Author
Published,
Refereed?: Yes
- [19.](#) Peter Urbanellis*, Caitriona M. McEvoy*, Marko Skrtic, J. Moritz Kathes, Dagmar Kollmann, Ivan Linares, Sujani Ganesh, Fabiola Oquendo, Manraj Sharma, Laura Mazilescu, Toru Goto, Yuki Noguchi, Rohan John, Istvan Mucsi, Anand Ghanekar, Darius Bagli, Ana Konvalinka, Markus Selzner, Lisa A. Robinson. (2021). Transcriptome Analysis of Kidney Grafts Subjected to Normothermic Ex-Vivo Perfusion Demonstrates an Enrichment of Mitochondrial Metabolism Genes. *Transplantation Direct*. 7(8): e719.
Published,
Refereed?: Yes
- [20.](#) Peter Urbanellis, Laura Mazilescu, Dagmar Kollmann, Ivan Linares-Cervantes, J Moritz Kathes, Sujani Ganesh, Fabiola Oquendo, Manraj Sharma, Toru Goto, Yuki Noguchi, Rohan John, Ana Konvalinka, Istvan Mucsi, Anand Ghanekar, Darius Bagli, Lisa A Robinson, Markus Selzner. (2021). Prolonged warm ischemia time leads to severe renal dysfunction of donation-after-cardiac death kidney grafts. *Sci Rep*.11(1): 17930.
Published,
Refereed?: Yes
- [21.](#) Berra, G, Farkona, S, Mohammed-Ali, Z, Kotlyar, M, Ly, P, Levy, L, Renaud-Picard, B, Zehong, G, Daigneault, T, Duong, A, Batruch, I, Jurisica, I, Konvalinka, A*, Martinu, T* (*co-senior authors). (2021). Association of the Renin-Angiotensin System with Chronic Lung Allograft Dysfunction. *European Respiratory Journal*. 58(4): 2002975.
Last Author
Published,
Refereed?: Yes
- [22.](#) Urbanellis P, Hamar M, Kathes JM, Kollmann D, Linares I, Mazilescu L, Ganesh S, Wiebe A, Yip PM, John R, Konvalinka A, Mucsi I, Ghanekar A, Bagli DJ, Robinson LA, Selzner M. (2020). Normothermic ex-vivo kidney perfusion improves early DCD graft function compared to hypothermic machine perfusion and static cold storage. *Transplantation*. 104(5): 947-955.
Co-Author
Published,
Refereed?: Yes

- [23.](#) Clotet-Freixas S, McEvoy C.M, Batruch I, Van J, Pastrello C, Kotlyar M, Arambewela R, Boshart A, Farkona S, Niu Y, Li, Y, Famure S, Bozovic A, Kulasingam V, Chen P, Kim SJ, Chan E, Moshkelgosha S, Martinu T, Juvet S, Jurisica I, Chruscinski A, John R, Konvalinka A. (2020). Extracellular Matrix Injury of Kidney Allografts in Antibody Mediated Rejection: A Proteomics Study. *Journal of the American Society of Nephrology*. 31(11): 2705-2724.
Last Author
Published,
Refereed?: Yes
- [24.](#) David R Hillier, Mila Tang, William Clark, Cynthia MacDonald, Carol Connolly, Chantel Large, Malcolm King, Joel Singer, Adeera Levin, Braden Manns, Ana Konvalinka, James Scholey, Norman D Rosenblum. (2020). A Framework to Ensure Patient Partners Have Equal and Contributing Voices Throughout the Research Program Evaluation Process. *Can J Kidney Health Dis*. 7: 2054358120970093.
Co-Author
Published,
Refereed?: Yes
- [25.](#) Peter Urbanellis, Dagmar Kollmann, Ivan Linares, Sujani Ganesh, Fabiola Oquendo, Laura Mazilescu, Toru Goto, Yuki Noguchi, Rohan John, Ana Konvalinka, Istvan Mucsi, Anand Ghanekar, Darius Bagli, Markus Selzner, Lisa A Robinson. (2020). Significant Dysfunction of Kidney Grafts Exposed to Prolonged Warm Ischemia Is Minimized Through Normothermic Ex Vivo Kidney Perfusion. *Transplant Direct*. 6(8): e587.
Co-Author
Published,
Refereed?: Yes
- [26.](#) Williams, V., Konvalinka, A., Song, X., Zhuo, X., John, R., Pei, Y., Scholey, J. (2020). Connectivity mapping of a chronic kidney disease progression signature identifies lysine deacetylases as novel therapeutic targets. *Kidney International*. 98(1): 116-132.
Co-Author
Published,
Refereed?: Yes
- [27.](#) Van, J., Clotet-Freixas, S., Hauschild, A., Batruch, I., Jurisica, I., Elia, Y., Mahmud, F., Sochett, E., Diamandis, E., Scholey, J., Konvalinka, A. (2020). Urinary proteomics links keratan sulfate degradation and lysosomal enzymes to early type 1 diabetes. *PLoS ONE*. 15(5): e0233639.
Last Author
Published,
Refereed?: Yes, Open Access?: Yes
- [28.](#) Zahraa Mohammed-Ali, Tomas Tokar, Ihor Batruch, Shelby Reid, Alexandre Tavares-Brum, Paul Yip, Héloïse Cardinal, Marie-Josée Hébert, Yanhong Li, S. Joseph Kim, Igor Jurisica, Rohan John and Ana Konvalinka. (2019). Urine Angiotensin II Signature Proteins as Markers of Fibrosis in Kidney Transplant Recipients. *Transplantation*. 103(6): e146 - e158.
Last Author
Published,
Refereed?: Yes, Open Access?: Yes
Number of Contributors: 13
- [29.](#) Julie Van, Sergi Clotet Freixas, Ihor Batruch, Xiaohua Zhou, Chunxiang Sun, Michael Glogauer, Luca Rampoldi, Farid Mahmud, Etienne Sochett, Eleftherios Diamandis, James Scholey, Ana Konvalinka. (2019). Peptidomic Analysis of Urine from Youths with Early Type 1 Diabetes Reveals Novel Bioactivity of Uromodulin Peptides *In Vitro*. *Molecular & Cellular Proteomics*. 19(3): 501-517.
Last Author
Published,
Refereed?: Yes

- [30.](#) Hamar M, Urbanellis P, Kathis M, Kollmann D, Ganesh S, Wiebe A, Yip P, John R, Konvalinka A, Mucsi I, Ghanekar A, Bagli D, Grant D, Robinson L, Selzner M. (2018). Normothermic Ex Vivo Kidney Perfusion Reduces Warm Ischemic Injury of Porcine Kidney Grafts Retrieved After Circulatory Death (DCD). *Transplantation*. 102(8): 1262-1270.
Co-Author
Published,
Refereed?: Yes, Open Access?: No
- [31.](#) Guenette A, Husain S, Konvalinka A, Geddie W, Rotstein C. (2018). Blastomycosis in a renal transplant recipient: Case of immune reconstitution inflammatory syndrome. *Medical Mycology Case Reports*. 21: 20-22.
Co-Author
Published,
Refereed?: Yes
- [32.](#) Clotet S, Soler MJ, Palau V, Anguiano L, Gimeno J, Konvalinka A, Pascual J, Riera M. (2018). Sex Dimorphism in the Angiotensin II-mediated Cross-talk between ACE2 and ACE in Diabetic Nephropathy. *Laboratory Investigation*. 98(9): 1237-1249.
Co-Author
Published,
Refereed?: Yes
- [33.](#) Bae EH, Fang F, Williams VR, Konvalinka A, Zhou X, Patel VB, Song X, John R, Oudit GY, Pei Y, Scholey JW. (2017). Murine Recombinant Angiotensin-Converting Enzyme 2 Attenuates Kidney Injury in Experimental Alport Syndrome. *Kidney International*. 17: 30015-7.
Co-Author
Published,
Refereed?: Yes
Number of Contributors: 11
- [34.](#) Molnar AO, Barua M, Konvalinka A, Schick-Makaroff K. (2017). Patient Engagement in Kidney Research: Opportunities and Challenges Ahead. *Canadian Journal of Kidney Health and Disease*. 4: 2054358117740583.
Co-Author
Published,
Refereed?: Yes
- [35.](#) Clotet S, Soler MJ, Riera M, Pascual J, Fang F, Zhou J, Batruch I, Vasiliou SK, Dimitromanolakis A, Barrios C, Diamandis EP, Scholey JW, Konvalinka A. (2017). SILAC-Based Proteomics of Primary Human Kidney Cells Reveals a Novel Link between Male Sex Hormones and Impaired Energy Metabolism in Diabetic Kidney Disease. *Molecular & Cellular Proteomics*. 3: 368-385.
Last Author
Published,
Refereed?: Yes
Number of Contributors: 13
- [36.](#) Van J, Scholey JW, Konvalinka A. (2016). Brief Review: Insights into Diabetic Kidney Disease Using Urinary Proteomics and Bioinformatics. *Journal of the American Society of Nephrology*. 4: 1050-1061.
Last Author
Published,
Refereed?: Yes
Number of Contributors: 3

- [37.](#) Konvalinka A, Batruch I, Tokar T, Dimitromanolakis A, Reid S, Xuewen S, Pei Y, Drabovich A, Diamandis E, Jurisica I, Scholey S. (2016). Quantification of Angiotensin II-Regulated Proteins in Urine of Patients with Polycystic and other Chronic Kidney Diseases by Selected Reaction Monitoring. *Clinical Proteomics*. 13(16): 1-19.
First Listed Author
Published,
Refereed?: Yes
Number of Contributors: 11
38. Bae EH*, Konvalinka A*, Fang F*, Zhou J, Williams V, Maksimowski N, John R, Zhang SL, Song X, Pei Y, Scholey JW. *co-1st authors. (2015). CHARACTERISTICS OF THE RENAL RENIN ANGIOTENSIN SYSTEM IN EXPERIMENTAL ALPORT'S SYNDROME (co-1st author). *American Journal of Pathology*. 185(5): 1423-35.
Co-Author
Published,
Refereed?: Yes
Number of Contributors: 12
39. Konvalinka A, Tinckam K. (2015). UTILITY OF HLA ANTIBODY TESTING IN KIDNEY TRANSPLANTATION. *Journal of the American Society of Nephrology*. 26: 1489 – 1502.
First Listed Author
Published,
Refereed?: Yes
Number of Contributors: 2
40. Fang F, Bae EH, Hu A, Liu GC, Zhou J, Williams V, Maksimowski N, Lu C, Zhang SL, Konvalinka A, John R, Scholey JW. (2015). DELETION OF THE GENE FOR ADIPONECTIN ACCELERATES DIABETIC NEPHROPATHY IN THE INS2 (+/C96Y) MOUSE. *Diabetologia*. 58(7): 1668 -78.
Co-Author
Published,
Refereed?: Yes
Number of Contributors: 12
41. Schvartz D, Bergsten, Baek KH, Barba A, De La Rosa A, Cantley J, Dayon L, Finamore F, Fontata P, Gaudet P, Goo YA, Moulder R, Goodlett D, Johnson JD, Konvalinka A, Mulder H, Priego-Capote F, Sechi S, Snyder M, Tiss A, Wiederkehr, Xenarios I, Kussmann M, Sanchez JC. (2015). The Human Diabetes Proteome Project (HDPP): the 2014 update. *Translational Proteomics*. 8-9: 1-7.
Co-Author
Published,
Refereed?: Yes
Number of Contributors: 24
42. Konvalinka A. (2014). URINE PROTEOMICS FOR ACUTE KIDNEY INJURY PROGNOSIS: ANOTHER PLAYER AND THE LONG ROAD AHEAD. *Kidney International*. 85(4): 735-738.
First Listed Author
Published,
Refereed?: Yes
Number of Contributors: 1
43. Konvalinka A. (2014). MYO-INOSITOL OXYGENASE – A NOVEL KIDNEY-SPECIFIC BIOMARKER OF ACUTE KIDNEY INJURY?. *Clinical Chemistry*. 60(5): 708-710.
First Listed Author
Published,
Number of Contributors: 1

44. Sukumar N, Scott E, Dimitromanolakis A, Misiak, A, Prassas Y, Diamandis EP, Konvalinka A. (2014). MINING OF SINGLE NUCLEOTIDE VARIANTS (SNVS) AT THE KALLIKREIN LOCUS WITH PREDICTED FUNCTIONAL CONSEQUENCES. *Biological Chemistry*. 395(9): 1037 – 50.
Last Author
Published,
Refereed?: Yes
Number of Contributors: 7
45. Konvalinka A, Zhou J, Dimitromanolakis A, Drabovich AP, Fang F, Gurley SB, Coffman T, John R, Zhang SI, Diamandis EP, Scholey JW. (2013). DETERMINATION OF AN ANGIOTENSIN II-REGULATED PROTEOME IN PRIMARY HUMAN KIDNEY CELLS BY STABLE ISOTOPE LABELING OF AMINO ACIDS IN CELL CULTURE (SILAC). *Journal of Biological Chemistry*. 288(34): 24834-24847.
First Listed Author
Published,
Refereed?: Yes
Number of Contributors: 11
46. Konvalinka A, Srivastava S, Masellis M. (2013). TAKING THE KIDNEY PERSONALLY: THE QUEST FOR NOVEL ANTIGENS OF IDIOPATHIC MEMBRANOUS NEPHROPATHY THROUGH PROTEOMIC APPROACHES - PER ARDUA AD ASTRA. *CURRENT PHARMACOGENOMICS AND PERSONALIZED MEDICINE*. 2013; 11: 1: 5-7. 11(1): 5-7.
First Listed Author
Published,
Number of Contributors: 3
47. Fang F, Liu GC, Zhou J, Yang S, Reich HN, Williams V, Hu A, Pan J, Konvalinka A, Oudit GY, Scholey JW, John R. (2013). LOSS OF ACE2 EXACERBATES MURINE ISCHEMIA-REPERFUSION INJURY. *PLoS ONE*. 8(8): E71433.
Co-Author
Published,
Refereed?: Yes
Number of Contributors: 12
48. Konvalinka A, Scholey JW, Diamandis, EP. (2012). SEARCHING FOR NEW BIOMARKERS OF RENAL DISEASES THROUGH PROTEOMICS. *Clinical Chemistry*. 58(2): 353-365.
First Listed Author
Published,
Refereed?: Yes
Number of Contributors: 3
49. Konvalinka A, Scholey JW, Diamandis, EP. (2010). THE QUEST FOR RENAL DISEASE SIGNATURES: WHERE SHOULD WE LOOK?. *Clinical Proteomics*. 6(3): 45.
First Listed Author
Published,
Refereed?: Yes
Number of Contributors: 3
50. John R*, Konvalinka A*, Tobar A, Kim J, Reich H, Herzenberg A. *co-first authors. (2010). DETERMINANTS OF LONG TERM GRAFT OUTCOME IN TRANSPLANT GLOMERULOPATHY (co-1st author). *Transplantation*. 90: 757-764.
Co-Author
Published,
Refereed?: Yes
Number of Contributors: 6

51. CHERNEY DZ, KONVALINKA A, ZINMAN B, DIAMANDIS EP, SOOSAIPILLAI A, REICH H, LORRAINE J, LAI V, SCHOLEY JW, MILLER JA. (2009). EFFECT OF PROTEIN KINASE C-BETA INHIBITION ON RENAL HEMODYNAMIC FUNCTION AND URINARY BIOMARKERS IN HUMANS WITH TYPE 1 DIABETES: A PILOT STUDY. *Diabetes care*. 32(1): 91-93.
Co-Author
Published,
Refereed?: Yes
Number of Contributors: 10
52. SIMOR A, PHILLIPS E, MCGEER A, KONVALINKA A, LOEB M, DEVLIN HR, KISS A. (2007). RANDOMIZED CONTROLLED TRIAL OF CHLORHEXIDINE GLUCONATE FOR WASHING, INTRANASAL MUPIROCI, AND RIFAMPIN AND DOXYCYCLINE VERSUS NO TREATMENT FOR THE ERADICATION OF METHICILLIN-RESISTANT STAPHYLOCOCCUS AUREUS INFECTION. *Clinical Infectious Diseases*. 44: 178-185.
Co-Author
Published,
Refereed?: Yes
Number of Contributors: 7
53. KONVALINKA A, LEE E, FONG IW. (2006). THE IMPACT OF TREATING STAPHYLOCOCCUS AUREUS NASAL CARRIERS ON WOUND INFECTIONS IN CARDIAC SURGERY: A RANDOMIZED CONTROLLED TRIAL. *JOURNAL OF HOSPITAL INFECTION*. 64: 162-168.
First Listed Author
Published,
Refereed?: Yes
Number of Contributors: 3
54. LEVY GA, LIU M, YUWARAJ S, LEIBOWITZ J, MARSDEN PA, NING Q, KONVALINKA A, PHILLIPS MJ. (2000). MOLECULAR AND FUNCTIONAL ANALYSIS OF THE HUMAN PROTHROMBINASE GENE (HFGL2) AND ITS ROLE IN VIRAL HEPATITIS. *American Journal of Pathology*. 156(4): 1217-1225.
Co-Author
Published,
Refereed?: Yes
Number of Contributors: 9

Book Chapters

1. Ana Konvalinka, Edward Cole. (2009). METABOLIC ABNORMALITIES IN ORGAN TRANSPLANTATION CHAPTER: LIPIDS IN TRANSPLANTATION. J.P. Van Hooff. *International Transplantation Updates*.
First Listed Author
Published, PERMANYER PUBLICATIONS, Spain

Thesis/Dissertation

1. The Discovery and Investigation of the Role of Hepatocyte Nuclear Factor 4 alpha in Controlling the Proximal Tubular Epithelial Cell Metabolism - a Master's degree thesis by Aninda Saha. (2022). University of Toronto. Supervisor: Dr. Ana Konvalinka
2. Uromodulin peptides differentially excreted in urine of youths with type 1 diabetes display novel bioactivity linked to inflammation - by graduate student Julie Van. (2020). University of Toronto. Supervisor: Dr. James Scholey, Dr. Ana Konvalinka
3. ANGIOTENSIN II PROTEOMIC SIGNATURE IN HUMAN PROXIMAL TUBULAR CELLS AS A PREDICTOR OF RENIN ANGIOTENSIN SYSTEM ACTIVITY IN KIDNEY DISEASES. (2013). University of Toronto. Supervisor: Dr. James Scholey, Dr. Eleftherios Diamandis

Intellectual Property

Patents

1. Fractal cues support hierarchical maturation of podocytes via curvature-induced patterning. United States of America. 63/356,948. 2022/12/29.
Patent Status: Granted/Issued
Inventors: Milica Radisic, Anastasia Korolj, Ana Konvalinka