

DEPARTMENT OF PEDIATRICS

Patricia Fontela (Pediatric Critical Care, FRO-S Chercheur Boursier Clinician Jr 2)  
Myriam Srour (Pediatric Neurology, FRO-S Chercheur Boursier Clinician Jr 2)  
Aparna Suvrathan (Pediatric Neurology, FRO-S Chercheur Boursier Jr 1)

New external operational funding includes:

In January 2019, Moshe Ben-Shoshan (PI) received a CIHR grant

In January 2019, Pia Wintermark (PI) received a CIHR grant

In April 2019, Catherine Goudie (PI) received a CIHR project grant for

(325,124\$)

In April 2019, Annette Majnemer (Co-PI) and colleagues received a CIHR grant for the project "

(\$ 967,734)

In June 2019, Myriam Srour received a grant from Savoy Foundation for

(25,000\$)

In July 2019, Meranda Nakhla received a CIHR Team Grant for project "

". (\$ 957,720)

In July 2019, Constantin Polychronakos received a CIHR grant for project "

". (\$ 1,132,200)

In July 2019, Guillaume Sébire

Maryam Oskoui, "A prospective observational study of nusinersen treatment in children and adults with spinal muscular atrophy in Quebec."

Winners of the 2018-2019 Fondation des étoiles competition:

Geneviève Bernard, "Using a multidisciplinary approach to study a severe subtype of POLR3-related leukodystrophy and shed light on disease pathogenesis"

Patricia Fontela, Jesse Papenburg, "Biomarkers to improve the diagnosis of bacterial pneumonia in bronchiolitis."

Winners of the MUHC-RI New Directions in Research competition:

Nancy Braverman, "Reclassifying PBD as a lipid deficiency not excess suggests novel treatments" (50,000\$)

Paul Goodyer, "Aminoglycoside translational readthrough of nonsense mutations in polycystic kidney disease" (50,000\$)

Jesse Papenburg, "Integrating host responses and pathogen detection to improve diagnosis of community-acquired bacterial pneumonia in hospitalized children: a pilot prospective cohort study" (50,000\$)

Myriam Srour, "Understanding focal cortical dysplasia pathogenesis using single nucleus RNA sequencing" (50,000\$)

## PUBLICATIONS

A list of 2019 publications for the Department will be available August 2020 on

[www.mcgill.ca/peds/about/annualreports](http://www.mcgill.ca/peds/about/annualreports).

## SECTION II: TEACHING AND LEARNING

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Through amazing collaborations and educational expertise, our departmental educators continue to lead innovative educational activities and initiatives including:

CanMEDS Rounds for Subspecialty Residents and Fellows – Anne-Marie Canakis and Lianne Kopel, in collaboration with subspecialty Program Directors, continue to coordinate regular CanMEDS rounds aimed at helping subspecialty trainees attain learning objectives related to the Leader, Communicator, Collaborator, Health Advocate, and Professional roles.

Subspecialty Orientation Bootcamp for incoming 2019-2020 pediatric sub-specialty residents and fellows successfully took place on July 2, 2019. The bootcamp was organized by Najma Ahmed and Tiscar Cavalle. Topics included: the challenges of the application process, the Quebec Health Care System, Pharmacy and Drug Prescription, and Medical Charting at MCH. Trainees were also given a tour of the MCH. The bootcamp was well-attended, received positive feedback and served as a networking meeting for the new trainees.

Competence by Design (CBD) – Although CBD for the core Pediatrics program is only scheduled to be implemented in 2021, Elisa Ruano-Cea has been leading the way to ensure a gradual and smooth transition to CBD which has included the implementation of Pediatric Competence Committee, requirement of at least two Direct Observation for each core Pediatric resident per rotation and soon-to-be-implemented. Dr. Ruano-Cea has also been coordinating ongoing Faculty and trainee development to help with the CBD transition for all pediatric core and subspecialty programs.

Simulation initiatives include:

A large-scale, multidisciplinary, arrival-to-disposition simulation successfully took place on November 21, 2019 which will lead to improved patient care.

In conjunction with the Institute for Pediatric Simulation, Preetha Krishnamoorthy will be spearheading an innovative simulation-based training for 2<sup>nd</sup> year TCP McGill medical students

Continuing Professional Development webpage was launched on the Montreal Children Hospital website:

[www.thechildren.com/health-professionals/continuing-professional-development](http://www.thechildren.com/health-professionals/continuing-professional-development).

In 2019, 34 Pediatric Medical Grand Rounds were held, an accredited group learning activity as defined by the Maintenance of Certification program of The Royal College of Physicians and Surgeons of Canada. The Department hosted 18 visiting speakers, and 40 local speakers. A list of Pediatric Medical Grand Rounds is available on: [www.mcgill.ca/peds/education-training/grandrounds](http://www.mcgill.ca/peds/education-training/grandrounds)

## RESIDENCY AND FELLOWSHIP TRAINING

The Department continues its commitment to support the training of first-rate candidates who wish to pursue postgraduate training (research or clinical) in a pediatric specialty. During the 2019-2020 academic year the Department funded a total of eighteen postgraduate residents and fellows, from Brazil, Canada, Colombia, Costa Rica, France, Greece, Israel, Mexico, Spain, Thailand, Turkey, United States and Zambia.

Of the eighteen trainees, the Alan Ross Academic Bursary Award funded one candidate in the Pediatric Endocrinology and Metabolism subspecialty. The Clinical Bursary Award in Pediatrics funded four candidates in the subspecialties of Pediatric Critical Care, Pediatric Emergency Medicine, Pediatric Hematology-Oncology, and Pediatric Infectious Diseases. The remaining thirteen funded trainees trained in the subspecialties of Pediatric Cardiology, Pediatric Critical Care, Pediatric Hematology-Oncology, Neonatal-Perinatal Medicine, and Pediatric Respiratory Medicine.

#### UNDERGRADUATE MEDICAL EDUCATION

The Pediatric Transition to Clinical Practice (TCP) and Clerkship courses have done well this year thanks to everyone involved in medical student education. All health care professionals, residents and community preceptors have left a great impression on our students. This year, we incorporated a simulation session into the Pediatrics TCP course, which was an amazing success!

Due to the Covid-19 pandemic, clerkship students spent the months of March and April doing online learning and are ready to jump back into the clinical setting in mid-June. Second-year students were able to complete their requirements for their TCP Pediatrics course on Zoom. The graduating class of 2020 rose to the occasion, and despite the circumstances, managed to put together an amazing online Youtube graduation! The McGill Faculty of Medicine has been incredibly supportive during this difficult time and has done its best to ensure an optimal learning experience for all medical students. An extra special thank you to Judy Browning. She is truly the heart of the McGill undergraduate pediatrics courses!

#### SECTION III: INVOLVEMENT IN THE GLOBAL AND LOCAL COMMUNITY

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##### INVOLVEMENT IN THE GLOBAL COMMUNITY

###### Advanced Curriculum in Pediatric Global Health 2019-2020 Academic Year

The Department of Pediatrics Global Child Health Program's (GCHP) Advanced Curriculum in Pediatric Global Health is currently in the 7th year of this monthly evening seminar series. This year, the course has approximately 40 participants: pediatric residents, family medicine residents, fellows, nurses, and pharmacists. Participants are healthcare professionals and residents from the McGill University Health Center network, and from Hospital Sainte Justine, and teleconferencing with pediatric residents at Children's Hospital of Eastern Ontario in Ottawa.

In 2019, the course has included group advocacy projects. Montreal participants have chosen to advocate for the reinstatement of subsidized daycare for refugee claimants in Quebec, support a pediatric point of care ultrasound course in Columbia and advocate for Green Initiatives at the Montreal Children's Hospital.

###### Partnership with Centre hospitalier universitaire de Kigali (CHUK) in Rwanda

In September 2018, the second two-week MicroResearch workshop for healthcare professionals at CHUK was held. This workshop provides basic training in how to carry out quantitative and qualitative research projects for healthcare professionals in low- and middle-income settings. It also provides small research grants to support research initiatives developed during the workshop. There were 30 multidisciplinary participants from CHUK who attended this course and who subsequently have submitted four research proposals.

In the Fall of 2019, the GCHP helped to launch the four MicroResearch research projects at CHUK. It provided research mentorship and financial support.

The GCHP helped organize a one-year International Neonatology Fellowship at the Montreal Children's Hospital (MCH) for Jocelyne Bukeyeneza, who completed her pediatric residency at the Centre Hospitalier Universitaire de Kigali, and who successfully finished her fellowship at the MCH in October 2019.

In the summer of 2019, the GCHP partnered with colleagues at CHUK on a research study entitled: "Child Abuse Evaluations at the Centre Hospitalier Universitaire de Kigali (CHUK): Medical Education and Experience."

The Global Child Health Program has highlighted the global pediatric work of our colleagues at the Montreal Children's Hospital and with an external speaker by organizing two Pediatric Medicine Grand Rounds in 2019:

On March 13, 2019, Thérèse Perreault and Jocelyne Bukeyenzeza presented on "Partnership with Rwanda: Successes and Challenges" for the Global Child Health Grand Rounds Lecture.

On May 1, 2019, Jorge Viduarre presented on "Global Health and Pediatric Neurology" for the 7th Donald and Elizabeth Hillman Global Child Health Lecture.

#### INVOLVEMENT IN THE LOCAL COMMUNITY

The Department's implication in the local community in 2019 was evident in innovative ways in both the clinical service and educational domains. As part of our efforts in Social Pediatrics and Post Graduate Medical Education (PGME), under the leadership of Geoffrey Dougherty and Julie Hebert, a school-based clinic was established at Verdun Elementary School under the auspices of the Lester B Pearson School Board. A first for Quebec, the clinic brings primary and secondary care, along with health promotion, directly to a disadvantaged community integrating pediatric care with complimentary educational expertise and activities. In addition, it includes the active participation of four of our PGME trainees as the locus for their Resident Continuity Clinic. Plans are already underway to extend this activity to a second elementary school in the same area and to a local day care.

In addition to the school clinics, the Goldbloom Fellows Program that places Pediatric PGME trainees in the offices of community-based pediatricians expanded the number of locations, pediatricians, and trainees involved. The Goldbloom program aligns with Faculty and Royal College efforts to expand training opportunities from traditional hospital-based settings to those closer to where populations reside, and which more closely approximate the eventual practice profiles of many of our PGME graduates.

#### SECTION IV: MILESTONES

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##### APPOINTMENTS

###### Appointed Adjunct Professors

- Martin Bitzan, Nephrology (April 2019)
- Hannah-Laure Elfassy, Allergy (July 2019)
- Véronique Latraverse, Neonatology (September 2019)
- Anne-Marie Vincent, Hematology-Oncology (December 2019)
- Michele Zappitelli, Nephrology (January 2019)

###### Appointed Faculty Lecturers

- Virginie Clavel, Neonatology (January 2019)
- Matthew Donlan, General Pediatrics (October 2019)
- Rola Ghaddar, General Pediatrics (January 2019)
- Julie Hebert, General Pediatrics (July 2019)
- Alicia Lambrinakos-Raymond, Neonatology (January 2019)
- Chloé Langlois-Pelletier, General Pediatrics (October 2019)
- Leopold Medou, General Pediatrics (January 2019)
- Moustafa Mourad, General Pediatrics (June 2019)
- Julie Nadeau-Lessard, General Pediatrics (February 2019)
- Anna-Maria Preziosi, Neonatology (October 2019)

###### Appointed as Assistant Professors

- Rislaine Benkelfat, General Pediatrics (February 2019)
- Jessica Duby, Neonatology (September 2019)
- Jarred Garfinkle, Neonatology (July 2019)
- Lara Hart, Gastroenterology (April 2019)
- Sarah Long-Gagné, General Pediatrics (January 2019)
- Esli Osmanliu, Emergency Medicine (December 2019)
- Katryn Paquette, Neonatology (January 2019)

Appointed Associate Professor

communities, is no more. Flying forward, practice is changing to ensure parental accompaniment for minors during urgent medical transfers.

- Overcoming vaccine hesitancy is also the focus of Moving to Acceptance, a new online module and day

Jessica Stewart, Emergency Medicine

Department of Pediatrics 2019 Leadership in Healthcare Bursaries:

Robert Barnes, Endocrinology

Mylene Dandavino, General Pediatrics

Patricia Fontela, Critical Care

Bethany Foster, Nephrology

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