

## Supervisor List 2021

Name	Division	Email	Phone	Research Topics
ABOU MEHRAM, Ayman	Neonatology	<a href="mailto:ayman.aboumehrem@ahs.ca">ayman.aboumehrem@ahs.ca</a>	403-944-3699	<ul style="list-style-type: none"> <li>• Neonatal respiratory medicine</li> <li>• Quality Improvement</li> <li>• Health informatics and telemedicine</li> </ul>
GREENWAY, Steven	Pediatric Cardiology	<a href="mailto:steven.greenway@ahs.ca">steven.greenway@ahs.ca</a>	403-955-5049	<ul style="list-style-type: none"> <li>• Pediatric echocardiography</li> </ul>
HO, Josephine	Pediatric Endocrinology	<a href="mailto:josephine.ho@ahs.ca">josephine.ho@ahs.ca</a>	403-955-7819	<ul style="list-style-type: none"> <li>• Management in type 1 diabetes</li> <li>• Prevention of DM2 (obesity prevention)</li> <li>• Metabolic syndrome in chronic disease</li> <li>• Management in type 1 diabetes, management in type 2 diabetes, childhood obesity, metabolic syndrome in chronic disease, endocrine late effects in oncology</li> </ul>
HUANG, Carol	Pediatric Endocrinology	<a href="mailto:carol.huang@ahs.ca">carol.huang@ahs.ca</a>	403-210-3977	<ul style="list-style-type: none"> <li>• Basic Science</li> </ul>
KELLNER, Jim	Pediatric Infectious Disease	<a href="mailto:jim.kellner@ahs.ca">jim.kellner@ahs.ca</a>	403-955-7802	<ul style="list-style-type: none"> <li>• Epidemiology and prevention of pneumococcal infections</li> <li>• Vaccine preventable infections</li> <li>• General issues in Pediatric Infectious Diseases</li> <li>• COVID-19</li> </ul>
LANG, Eddy	Emergency Medicine	<a href="mailto:eddy.lang@ahs.ca">eddy.lang@ahs.ca</a>	403-944-4584	<ul style="list-style-type: none"> <li>• Knowledge Translation,</li> <li>• Computerized physician order entry,</li> <li>• Venous thromboembolism</li> <li>• Emergency department operations (overcrowding).</li> <li>• Clinical decision support systems and clinical practice guidelines</li> <li>• Pandemic studies</li> <li>• Overdiagnosis/low value care</li> </ul> <p><a href="https://pubmed.ncbi.nlm.nih.gov/?term=Eddy+Lang&amp;sort=date">https://pubmed.ncbi.nlm.nih.gov/?term=Eddy+Lang&amp;sort=date</a></p>
Luca, Nadia	Rheumatology	<a href="mailto:nadia.luca@ahs.ca">nadia.luca@ahs.ca</a>	403-955-7771	<ul style="list-style-type: none"> <li>• Scleroderma</li> <li>• Transition</li> <li>• Quality Improvement/Choosing wisely</li> </ul>
LODHA, Abhay	Neonatology	<a href="mailto:abhay.lodha@ahs.ca">abhay.lodha@ahs.ca</a>	403-944-8163	<p>Newborn medicine: especially</p> <ul style="list-style-type: none"> <li>• Newborns: short term and long term outcomes</li> <li>• Perinatal Health outcomes</li> <li>• Systematic reviews</li> <li>• Broncho pulmonary dysplasia (Chronic lung disease)</li> <li>• Necrotizing enterocolitis</li> <li>• Perinatal Epidemiology</li> </ul>
MAH, Jean	Pediatric Neurology	<a href="mailto:jean.mah@ahs.ca">jean.mah@ahs.ca</a>	403-955-7817	<ul style="list-style-type: none"> <li>• Early intervention and promotion of healthy lifestyle in children and youth.</li> <li>• Promotion of family-centered care and more effective health services utilization among pediatric neurosciences patients</li> <li>• Clinical trials in pediatric neuromuscular diseases and multiple sclerosis</li> <li>• Health-related quality of life in children with chronic diseases</li> <li>• Role of complementary and alternative therapies in pediatrics</li> <li>• Current: Research Topics are primarily on natural history study and clinical trials related to Pediatric neuromuscular diseases and acquired demyelinating diseases</li> </ul>
SCHMELING, Heinrike	Rheumatology	<a href="mailto:heinrike.schmeling@ahs.ca">heinrike.schmeling@ahs.ca</a>	403-955-7771	<ul style="list-style-type: none"> <li>• Outcomes of autoimmune diseases (childhood arthritis, juvenile dermatomyositis), pharmacogenetics, translational research, registry research</li> <li>• Personalized medicine</li> <li>• QI</li> </ul>

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SORASHAM, Amouchou	Neonatology	<a href="mailto:amouchou.sorasham@ahs.ca">amouchou.sorasham@ahs.ca</a>	403-944-1615	<ul style="list-style-type: none"> <li>• Neonatal resuscitation and outcome</li> <li>• Chorioamnionitis and brain injury</li> <li>• Cardiovascular effect of perinatal asphyxia</li> <li>• Perinatal epidemiology</li> <li>• Neonatal Health Outcome</li> <li>• Health service delivery</li> <li>• " Neonatal hemodynamics"</li> </ul>
STANG, Antonia	Pediatric Emergency	<a href="mailto:antonia.stang@ahs.ca">antonia.stang@ahs.ca</a>	403-955-7493	<ul style="list-style-type: none"> <li>• Clinical</li> <li>• Emergency medicine/acute care <ul style="list-style-type: none"> <li>◦ Systematic reviews of the literature</li> </ul> </li> <li>• Quality improvement/patient safety</li> </ul>
STEELE, Macgregor *Please note he is on leave until April 2022*	Hematology	<a href="mailto:macgregor.steele@ahs.ca">macgregor.steele@ahs.ca</a>	403-955-3038	<p>General Hematology – Iron deficiency</p> <ul style="list-style-type: none"> <li>• Patterns of microcytic/iron deficiency anemia in Calgary (idea to access Calgary Lab Services to point prevalence of Fe def anemia in those under 18)</li> <li>• Compare hematologic response of children placed on regular iron preparations vs polysaccharide iron (FERAmax - a frequently prescribed iron complex with very little scientific evidence for efficacy) (prospective or retrospective review linking prescriptions to heme labs)</li> <li>• Usage patterns and effectiveness of IV iron in Pediatric patients (perhaps focus on GI or other frequent users)</li> </ul> <p>Cytopenias</p> <ul style="list-style-type: none"> <li>• Develop and implement a common care pathway for ITP – First stage could be review of current management of ITP children at ACH in past 5 years by ED, Gen Peds and Hematology (QA/QI)</li> <li>• Review of upfront management of autoimmune hemolytic anemia at ACH and Stollery then follow up with Canada/N America survey (first step in developing protocol)</li> <li>• Management of fever and outcome in non-oncology fever neutropenia patients</li> </ul> <p>Bleeding Disorders</p> <ul style="list-style-type: none"> <li>• Review of menorrhagia presentations &lt; 18 to ED and frequency of hematology referral and/or bleeding disorder screening.</li> <li>• Screening for bleeding disorders in a Ped Gynecology clinic and does implementation of a self-administered bleeding questionnaire increase screening and diagnosis of bleeding disorder?</li> <li>• Does routine ultrasound detect joint bleeding in hemophilia patients? (retrospective review of ultrasound joints with comparison to clinical assessment of PT and MD)</li> <li>• What are the patterns, appropriateness, and impact of pre-operative coagulation screening at ACH (could be multi step QI project)</li> <li>• What do patients and families remember after a Bleeding Disorder Clinic visit? (phase one of initiating a clinic improvement process)</li> <li>• Assess joint and muscle bleed assessment skill in pediatric hematologists and trainees and develop and implement an educational tool to improve and systematize</li> <li>• Assess impact of an ED flagging system on time to factor replacement in bleeding disorder patients.</li> </ul> <p>Sickle cell/Thalassemia</p> <ul style="list-style-type: none"> <li>• QA review of ED process for sickle cell patients (time to first pain med, pain scale etc.)</li> </ul> <p>Marrow failure</p> <ul style="list-style-type: none"> <li>• Where are all the marrow failure patients? A review of institutional or provincial diagnoses of Fanconi Anemia, Dyskeratosis Congenita, and Schwachman Diamond.</li> <li>• Pediatric Aplastic Anemia in Alberta : survey of incidence, management and outcome.</li> </ul> <p>Thrombosis</p> <ul style="list-style-type: none"> <li>• Review of use of anticoagulant (prophylaxis) in hospital inpatients- patterns of use, complications, relation with Hematology service consultations.</li> <li>• Review patterns ( incidence, time to detection, etc ) CVC thrombosis pattern of ACH inpatients</li> <li>• Neonatal clot incidence compare Calgary to Edmonton</li> </ul>
TWILT, Marinka	Pediatric Rheumatology	<a href="mailto:marinka.twilt@ahs.ca">marinka.twilt@ahs.ca</a>	403-955-7480	<ul style="list-style-type: none"> <li>• Juvenile Idiopathic Arthritis – long term follow-up in adult care</li> <li>• TMJ arthritis in JIA – radiology study (anterior disk displacement in JIA and the disease trajectory)</li> <li>• Autoinflammatory conditions – genetics and treatment responses</li> </ul>
WADE, Andrew	Nephrology	<a href="mailto:awwade@me.com">awwade@me.com</a>	403-955-7675	<ul style="list-style-type: none"> <li>• Kidney Development</li> <li>• Acute kidney injury</li> <li>• Prevention of AKI in neonates with aminophylline</li> <li>• Long term effects of neonatal AKI</li> </ul>
WRIGHT, Nicola	Hematology	<a href="mailto:nicola.wright@ahs.ca">nicola.wright@ahs.ca</a>	403-955-7408	<ul style="list-style-type: none"> <li>• DiGeorge Syndrome</li> <li>• Primary immune deficiency</li> <li>• ITP</li> </ul>
YUSUF, Kamran	Neonatology	<a href="mailto:kyusuf@ucalgary.ca">kyusuf@ucalgary.ca</a>	403-210-3930	<ul style="list-style-type: none"> <li>• Neonatology</li> <li>• Respiratory issues in neonates</li> <li>• Effects of maternal conditions such as preeclampsia on neonates and their outcomes</li> </ul>

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VEALE, Pam	Developmental Peds	<a href="mailto:pamela.veale@ahs.ca">pamela.veale@ahs.ca</a>	403-955-5912	<ul style="list-style-type: none"><li>• Medical Education</li><li>• Developmental Pediatrics</li></ul>