

BC Cancer Research Centre · Lunch Room

7:30 – 8:00 am Light Breakfast

BC Cancer Research Centre · Diamond Theatre

8:00 – 8:10 am **Welcome to PathDay 2026 & Land Acknowledgement**

Dr. Gao
Opening Remarks — Frederica Di Palma

8:10 – 9:00 am **Trainee Presentations — Session I**

Moderated by: Conor Broderick

8:10 – 8:20 am Kristen Danielle Go (*MSc student*)

8:20 – 8:30 am Kidus Achalu (*PhD student*)

8:30 – 8:40 am Sina Azad (*Resident*)

8:40 – 8:50 am Wyatt Anderson (*PhD student*)

8:50 – 9:00 am Zhihan Wang (*PhD student*)

9:00 – 9:25 am **PowerPitch Talks**

Moderated by: Jared Taylor

BC Cancer Research Centre · Lunch Room

9:25 – 9:40 am **BREAK**

BC Cancer Research Centre · Diamond Theatre

9:40 – 10:35 am **Keynote Speaker**

Marcin Imieliński

“A whole genome vision for molecular oncology”

10:35 – 11:35 am **Trainee Presentations — Session II**

Moderated by: Jonathan Bush

10:35 – 10:45 am Cecilia Lee (*MSc student*)

10:45 – 10:55 am Fabian Frontzek (*PhD student*)

10:55 – 11:05 am Hasan Hamze (*Resident*)

11:05 – 11:15 am Cyril Helbling (*PhD student*)

11:15 – 11:25 am Khashayar Hanjani (*Resident*)

11:25 – 11:35 am Zeshuo Li (*PhD student*)

MSAC

11:45 am – 12:30 pm **Networking for Trainees**

Pre-registered trainees only
Moderated by: Jared Taylor

12:00 – 2:30 pm **Lunch & Poster Presentations**

Posters: 12:30 – 2:30 pm

BC Cancer Research Centre · Diamond Theatre

2:40 – 3:10 pm

Keynote Speaker **Natalie Prystajeky**

“From Sequence to Surveillance: The Coming of Age of Pathogen Genomics in Public Health”

3:10 – 4:10 pm

Trainee Presentations — Session III

Moderated by: Ying Wang

3:10 – 3:20 pm Abbey Sugars-Keen (*MSc student*)

3:20 – 3:30 pm Jhunam Sidhu (*PhD student*)

3:30 – 3:40 pm Opeyemi Peluola (*Resident*)

3:40 – 3:50 pm Alexandra Witt (*PhD student*)

3:50 – 4:00 pm Mark Trinder (*Resident*)

4:00 – 4:10 pm Jenny Zhao (*PhD student*)

4:10 – 4:40 pm

Keynote Speaker **Eric McGinnis**

“Reading between the cells: Exploring genomic diagnostics in hematopathology”

4:40 – 4:50 pm

Closing Remarks — Co-Chairs

MSAC

5:00 – 8:30 pm

Awards Ceremony & Reception

- BMLSc Awards
- Noble Awards
- Grad Program Awards
- PathDay Trainee Awards

Opportunity to Connect

How to use this book

Abstracts are listed in two sections — Oral Presentations followed by Poster Presentations — and numbered sequentially. Each entry includes the presenter's name, role, abstract title, and full author list. Affiliations for all authors are recorded in the master abstract file.

NOBLE 00

Indicates a Noble Award entry, with its assigned Noble abstract number

ORAL PRESENTATIONS

#	NAME	ABSTRACT
1	KRISTEN DANIELLE GO <i>MSc student</i>	PROTEOMIC ANALYSIS OF BLOOD-BASED NEUROLOGICAL AND INFLAMMATORY BIOMARKERS IN CHRONIC COVID-19 K. Danielle Go ^{1,2} , Jennifer G. Cooper ^{1,2} , Sophie Stukas ^{1,2} , Ryan L. Hoiland ² , William J. Panenka ² , Mypinder S. Sekhon ² , Nicholas A. Fergusson ³ , Noah Silverberg ² , Edward M. Conway ^{1,4} , Thalia S. Field ^{2,5} , William Honer ^{6,7} , A. Jon Stoessl ² , Donna J. Lang ^{2,6,7} , Vesna Sossi ^{2,6} , Cheryl L. Wellington ^{1,2,8,9}
2	KIDUS ACHALU <i>PhD student</i>	IDENTIFYING BLOOD-BASED BIOMARKERS OF YOUTH SPORTS-RELATED CONCUSSION Kidus Achalu BSc ^{1,2} , Jennifer G. Cooper BMLSc ^{1,2} , Jason B. Tabor, PhD ^{3,4,5} , Mohammad Ghodsi BSc ^{1,2} , Tessa Morelli ^{1,2} , Johnny Huang BSc ^{1,2} , Nik Josafatow-García MSc ^{3,4,5} , Linden C. Penner MSc ^{3,4,5} , Sophie, Stukas, PhD ^{1,2} , Jean-Michel Galarnreau PhD ³ , Douglas D. Fraser MD PhD ⁶ , Jonathan Smirl PhD ^{3,4,5} , Keith Owen Yeates, PhD ^{4,5,7} , Chantel T. Debert MD MSc ^{3,4,5,8} , #Carolyn A. Emery PhD ^{3,4,5,9} and #Cheryl L. Wellington PhD ^{1,2,10}
3	SINA AZAD <i>Resident</i> NOBLE 88	IDENTIFYING SOURCES OF FRICTION IN MASSIVE HEMORRHAGE PROTOCOL MANAGEMENT AT VANCOUVER COASTAL HEALTH: A RETROSPECTIVE MULTICENTRE ANALYSIS OF SAFETY EVENTS AND INCIDENT REPORTING Sina Azad ¹ , Danielle Truong ² , Tara Winckler ² , Caroline Watt ² , Gaby Chan ² , Margaret Roche ² , Lawrence Sham ² , Tyler Smith ^{1,2} , Jacqueline Trudeau ³ , Alex Dotto ^{2,3} , Sakara Hutspardol ^{1,2}
4	WYATT ANDERSON <i>PhD student</i> NOBLE 73	KRAS AND STK11 MUTATIONS SHAPE IMMUNE INFILTRATION AND RESPONSE TO IMMUNOTHERAPY IN NON-SMALL CELL LUNG CANCER Anderson, Wyatt ^{1,2,3} . Liao, Daniella ^{2,3} . Fong, Arwen ³ . Xiong, Will ^{1,3} . Fitzsimons, Evelyn ³ . De Souza, Vanessa ^{1,2,3} . Wu, Willie ^{2,3} . Enfield, Katey ^{1,2,3}
5	ZHIHAN WANG <i>PhD student</i> NOBLE 74	UNRAVELING THE GENETIC FACTORS INFLUENCING SUSCEPTIBILITY AND RESISTANCE TO VIRAL MYOCARDITIS Wang, Zhihan ^{1,2} ; Yasir Mohamud ^{1,2} ; Amrit Singh ^{1,3} ; Tao Sun ¹ ; Honglin Luo ^{1,2}
6	CECILIA LEE <i>MSc student</i> NOBLE 66	MODELING AND CHARACTERIZATION OF CYTOKINE RECEPTOR COMMON B CHAIN MUTATIONS IN MEDIASTINAL LYMPHOMAS Cecilia Lee ^{1,2} , Shinya Rai ³ , Gerben Duns ² , Yifan Yin ² , Tomohiro Aoki ⁴ , Grace Cheng ⁵ , Sandra Spencer Miko ⁵ , Gregg Morin ⁵ , David Scott ² , Christian Steidl ²
7	FABIAN FRONTZEK <i>PhD student</i>	SOMATIC IRF4 MUTATIONS ENHANCE IL10-JAK-STAT3 SIGNALING IN

DIFFUSE LARGE B-CELL LYMPHOMA OF THE ABC SUBTYPE

Fabian Frontzek^{1,2}, Gerben Duns¹, Michael Li¹, Shinya Rai¹, Rosalie Zhou², Jeffrey Niu¹, Jasper Wong¹, Amos Fong¹, Adèle Telenius¹, Claudia Cassidy¹, Laura Hilton¹, David W. Scott^{1,2}, Christian Steidl^{1,2}

8 HASAN HAMZE

Resident

NOBLE 89

REDUCING CARBAPENEM USE FOR LOW-RISK AMPC-PRODUCING ENTEROBACTEREALES: IMPACT OF A MICROBIOLOGY COMMENT-BASED QUALITY INITIATIVE.

Hamze, Hasan¹, Amaral, Genevieve¹, Aloufi, Ahmad², Lo, Calvin¹, May, Stephanie³, Grant, Jennifer^{4,5}, Yuen, Victor^{1,3}.

9 CYRIL HELBLING

PhD student

A DIGITAL ALPHA-SYNUCLEIN SEED AMPLIFICATION ASSAY

Cyril Helbling¹, Mari L. DeMarco^{1,2}

10 KHASHAYAR HANJANI

Resident

SIMULATING SIGNIFICANCE: COMBINING BIOCHEMICAL TESTING WITH MOLECULAR DYNAMICS SIMULATIONS TO CHARACTERIZE VARIANTS OF UNKNOWN SIGNIFICANCE IN AN UNUSUAL CASE OF DOLICHOL KINASE DEFICIENCY

Théberge, Emilie¹ Hanjani, Khashayar² Monaghan, Jennifer³ Rakic, Bojana² Sinclair, Graham² He, Miao⁴ Roston, Thomas⁵ Hawkins, Nathaniel⁵ Lehman, Anna¹

11 ZESHUO LI

PhD student

NOBLE 75

INFLUENCE OF DNA EXTRACTION METHODS ON THE PREVALENCE OF LOW-FREQUENCY G>A MUTATIONS IN MITOCHONDRIAL DNA

Authors: Zeshuo E.S. Li^{1,2}, Hailey Chapman¹, Rachel Dunn¹, Loïc C. Caloren¹, Isabelle Gadawska¹, Maria S. Peñaherrera^{3,4}, Chelsea Elwood⁵, Deborah M. Mone^{5,6}, Wendy P. Robinson^{3,4}, Hélène C.F. Côté^{1,2,6,7}

12 ABBEY SUGARS-KEEN

MSc student

NEW INSIGHTS INTO THE THROMBOTIC COMPLICATIONS OF TYPE 2 DIABETES

Abbey Sugars-Keen¹, Paniz Ghavimi¹, Nooshin Safikhani¹, Kevin Gonzalez¹, Nathanael Caveney², Edward Conway¹

13 JHUNAM SIDHU

PhD student

DEGRADOMIC ANALYSIS REVEALS NOVEL ROLE FOR GRANZYME K IN INFLAMMATION AND PSORIASIS

Jhunam Sidhu^{1,2,3}, Katlyn L. Richardson^{1,2,3}, Anna Prudova^{1,2,3}, Alexandre Aubert^{1,2,3}, David J. Granville^{1,2,3}

14 OPEYEMI PELUOLA

Resident

MOLECULAR FEATURES ASSOCIATED WITH TUMOR BUDDING AND RECURRENCE IN LUNG SQUAMOUS CELL CARCINOMA

Opeyemi Peluola,¹ Cathy Yan,² Richard Corbett², Melanie Bailey², Zhou Fang,³ Drew Smith,¹ Jennifer Ji,¹ Marco Marra^{4,5}, Julia Naso^{1,6}

15 ALEXANDRA WITT

PhD student

IT TAKES TWO: ADJUNCT FACTOR X FOR SAFER CLOT LYSIS

Witt, Alexandra^{1,2,3} Hao, Lihua^{2,3} Prydzial, Ed^{1,2,3}

16 MARK TRINDER

Resident

IMMUNE REGULATORY GENE EXPRESSION PROFILING OF BRONCHOALVEOLAR LAVAGE SPECIMENS FOR DISTINCTION OF LUNG ADENOCARCINOMA FROM BENIGN LESIONS

Trinder, Mark¹, Wang, Peiyao², Lim, Emilia³, Lockwood, Will^{1,2}, Naso, Julia R.^{1,4}

17 JENNY ZHAO**TMEM30A LOSS OF FUNCTION MUTATIONS IN B-CELL LYMPHOMA**

PhD student

NOBLE 76

DIFFERENTIALLY IMPACT B CELL SUBSETS AND THEIR FUNCTIONALITIES

Zhao, Jenny^{1,2,3}, Cardoso, Miguel^{1,3}, Pijpers, Lizzy^{1,3}, Tang, Jing^{1,3,4}, Nawaz, Waqas^{1,3}, Venturutti, Leandro^{1,2,3}

POSTER PRESENTATIONS

#	NAME	ABSTRACT
18	LYNNE ALTOW <i>Medical Student</i> NOBLE 79	UNDER THE MICROSCOPE: STUDENT PERCEPTIONS OF PATHOLOGY PRACTICE, CAREER, AND CURRICULUM Altow, Lynne ¹ Povshedna, Tetiana ² Zhao, Michael ¹ Hopkins, Jade ¹ Ionescu, Diana N. ^{2,3}
19	TEJVEER ATWAL <i>Medical Student</i>	GENOME AND TRANSCRIPTOME SEQUENCING IN NON-SMALL CELL LUNG CANCER IDENTIFIES THERAPEUTIC OPTIONS BEYOND STANDARD OF CARE Atwal, Tejveer ¹ , McConechy, Melissa ² , Csizmok, Veronika ² , Corbett, Richard ³ , Chand, Damini ² , Nelson, Jessica ² , Laskin, Janessa ⁴ , Marra, Marco ^{5,6} , Naso, Julia ^{7,8}
20	POLINA NOVOSELTSEVA <i>Medical Student</i> NOBLE 80	DRUGS VERSUS BUGS: CUMULATIVE ANTIMICROBIAL SUSCEPTIBILITY TESTING OF COMMUNITY-ACQUIRED BLOODSTREAM INFECTIONS IN BRITISH COLUMBIA Polina Novoseltseva, ¹ Romina Reyes, ^{1,2} and Dr. Eugene Y. H. Yeung ^{1,2,3,4}
21	NIKI SADAT AFJEH <i>Medical Student</i> NOBLE 81	THE VANCOUVER GENERAL HOSPITAL GASTROINTESTINAL BIOBANK: SUPPORTING PANCREATIC CANCER RESEARCH Niki Sadat Afjeh ¹ , Maya Kevorkova ² , Shanzhao Wang ² , Martin Avancena ² , Rachel Windardi ² , Bruno Larcoa ² , Steve Kalloger ² , David F. Schaeffer ²
22	JOSEPH SILBURT <i>Medical Student</i> NOBLE 82	DOES TUMOR ARCHITECTURE PREDICT MOLECULAR STATUS? EXPLORING THE APPLICATION OF NEURAL NETWORKS FOR HISTOLOGICAL FEATURE GENERATION Silburt, Joseph ¹ , Rasmussen, Sean ²
23	PEIYAO WANG <i>Medical Student</i>	HIGHLY PM2.5 EXPOSED PATIENTS WITH LUNG ADENOCARCINOMA HARBOUR A DISTINCT MUTATIONAL SIGNATURE DERIVED FROM PM2.5 EXPOSURE IN LUNG EPITHELIAL CELLS Wang, Peiyao ¹ , Julia, Naso ² , Myers, Renelle ² , Durney, Clinton ² , Granville, Joshua ¹ , Chuang, Yu-Chi ¹ , White, Justin ¹ , Bartolomeu, Crista ¹ , McGuire, Anna ² , MacAulay, Calum ¹ , Lam, Stephen ¹ , Lam, Wan ¹ , Lockwood, William ¹
24	MICHAEL ZHAO <i>Medical Student</i> NOBLE 83	BRIDGING THE DIFFERENCE: MEDICAL STUDENT EXPERIENCES WITH HISTOPATHOLOGY IN AN INTEGRATED CURRICULUM Zhao, Michael ¹ Povshedna, Tetiana ² Altow, Lynne ¹ Hopkins, Jade ¹ Ionescu, Diana N. ^{2,3}
25	MEHAK JUDGE <i>Undergrad</i>	CHOLESTERYL ESTER TRANSFER PROTEIN (CETP) EXPRESSION IN 5XFAD MICE: MINIMAL EFFECTS ON PERIPHERAL LIPIDS AND AMYLOID-BETA PATHOLOGY Mehak Judge ^{1,2} , Tetiana Poliakova ^{1,2} , Mehwish Anwer ^{1,2} , Carlos Barron ^{1,2} , Tom Cheng ^{1,2} , Jianjia Fan ^{1,2} , Anna Wilkinson ^{1,2} , Cheryl Wellington ^{1,2,3,4}

26	JIHYUN LEE <i>BMLSc</i> NOBLE 61	RETROSPECTIVE STUDY OF HISTOPATHOLOGIC AND MOLECULAR RISK FACTORS FOR BRITISH COLUMBIA POPULATION COHORT OF ORAL DYSPLASIA Lee, Jihyun ¹ Liu, Kelly Y.P. ^{1,2} Saleh, Daniyah ³ Poh, Catherine F. ^{1,2,3} Ko, Yen Chen Kevin ^{1,2,3} Ng, Tony L. ^{1,3}
27	JUSTIN WONG <i>BMLSc</i> NOBLE 62	PROGNOSTIC MODELLING AND SPATIAL TRANSCRIPTOMIC ANALYSIS OF A 79-GENE IMMUNE PANEL IN GLIOBLASTOMA REVEALS C-TYPE LECTIN DOMAIN FAMILY 10 MEMBER A SPATIAL PATTERNS Wong, Justin Amen ¹ Ali Bashashati ^{1,2} Katherine Rich ³
28	MATTHEW YAP <i>BMLSc</i> NOBLE 63	MARKER-SPECIFIC VALIDATION OF AN AUTOMATED IMMUNOHISTOCHEMISTRY H-SCORE QUANTIFICATION PIPELINE IN MUSCLE-INVASIVE BLADDER CANCER Matthew Yap ¹ , Ioana-Maria Mihai ^{1,2} , Maram Alanazi ² , Gheorghe-Emilian Olteanu ³ , Alberto Contreras-Sanz ⁴ , Peter Black ⁴ , Gang Wang ^{1,2*}
29	ABTEEN ARAB <i>Undergrad</i>	WHEN DO GLOMERULAR SEGMENTATION MODELS FAIL? A BENCHMARK OF GLOMERULAR SEGMENTATION IN PEDIATRIC, DISEASED, AND VARIABLY STAINED KIDNEY TISSUE Arab, Abteen ¹ , Brown, Kelly ^{2,3} , Morishita, Kimberly ^{2,3} , Bashashati, Ali ^{1,4} , Riazy, Maziar ^{4,5}
30	DANIELLE KEITH <i>Undergrad</i>	EPSTEIN-BARR VIRUS DRIVES A TH1 PHENOTYPE IN A MOUSE MODEL OF PSORIATIC ARTHRITIS Keith, Danielle ¹ , Allanach, Jess ^{1,2} , Horwitz, Marc ^{1,2}
31	AHMED MAKHLOUF <i>Undergrad</i> NOBLE 64	APPLICATION OF CUMULATIVE ANTIMICROBIAL SUSCEPTIBILITY DATA TO INFORM ORAL THERAPY IN JOINT INFECTIONS Makhlouf, Ahmed ¹ ; Yeung, Eugene ^{1,2,3}
32	DILNAR MAMATYUSUF <i>Undergrad</i>	ENHANCED ANTIBIOGRAM OF CARBAPENEM-RESISTANT UROPATHOGENS IN BRITISH COLUMBIA: A RETROSPECTIVE ANALYSIS Dilnar Mamatyusuf ¹ , Eugene Y. H. Yeung ^{1,2,3}
33	ALINA YU <i>Undergrad</i> NOBLE 65	HOW DIET INFLUENCES ALZHEIMER'S DISEASE PATHOLOGY: AMYLOID-BETA PLAQUE QUANTIFICATION IN TRANSGENIC MICE MODELS Alina Yu ^{1,2} , Tetiana Poliakova ^{1,2} , Anna Wilkonson ^{1,2} , Mehwish Anwer ^{1,2} , Carlos Barron ^{1,2} , Tom Cheng ^{1,2} , Jianjia Fan ^{1,2} , Cheryl Wellington ^{1,2}
34	GAEA LOUISE BUENAVENTURA <i>MSc student</i>	DEVELOPING A 3D CO-CULTURE MODEL TO STUDY CELLULAR RESPONSES FOLLOWING PERCUTANEOUS CORONARY INTERVENTION Buenaventura, Gaea ^{1,2} , Chatha, Aakar ^{1,2} , Sun, Tao ² , Kong, Hyejin Julia ² , Elishaev, Maria ^{1,2} , Samra, Amrit ² , Sahin, Basak ² , Walley, Keith ^{2,4} , Lai, Chi ³ , Yao, Yuan ^{2,5,6} , and Wang, Ying ^{1,2}
35	TIFFANY CHEN <i>MSc student</i> NOBLE 67	UNDERSTANDING THE EFFECT OF FOLIC ACID ON BETA-CELL FUNCTION Tiffany Chen ¹ , Zoe Lofft ¹ , Francis Lynn ² , Angela M Devlin ³
36	GAHAN DIWAN <i>MSc student</i>	GRANZYME B AS A DRIVER OF IMMUNOMODULATION AND ATROPHIC SCARRING IN DISCOID LUPUS ERYTHEMATOSUS

NOBLE 68

Diwan, Gahan^{1,3,4}, Crawford, Richard^{1,2}, Granville, David^{1,3,4}

37 TISHA HAUKONGO **INVESTIGATING LINE-1 EXPRESSION IN WOMEN LIVING WITH AND WITHOUT HIV**
MSc student
Haukongo, Tisha¹ Afe, Michael¹ Cai, Loulou¹ Gadawska, Izabelle¹ Kaida, Angela^{2,3,5} King, Elizabeth M^{2,3,4,5,8} Murray, Melanie CM^{2,3,4,7,8} Cote, Helene CF^{1,2,3,6,7} on behalf of the British Columbia CARMA-CHIWOS Collaboration (BCC³; CIHR CTN+^{3,3,5})

38 VIVIAN HO **PREDICTING THE CARDIOVASCULAR OUTCOMES OF ANTI-CANCER AXL INHIBITORS**
MSc student
Ho, Hsing-Wei^{1,2}, Elishaev, Maria^{1,2}, Buenaventura, Gaea L.^{1,2}, Mao, Yuancheng^{1,2}, Reece, Nina^{1,2}, Chatha, Aakar^{1,2}, Leung, Samuel^{1,2}, Sun, Tao^{1,2}, Kong, Hyejin Julia^{1,2}, Lai, Chi^{1,2,3}, and Wang, Ying^{1,2}.

39 ZOE HORLICK **VALIDATION OF SERUM GLIAL FIBRILLARY ACIDIC PROTEIN AND NEUROFILAMENT LIGHT AS BIOMARKERS OF ACUTE SPINAL CORD INJURY**
MSc student
Horlick, Zoe L.¹, Morelli, Tessa², Stukas, Sophie², Gee, Cameron M.^{1,3}, Tsang, Angela⁴, McKenzie, Miko⁴, Belanger, Lise⁴, Ritchie, Leanna⁴, Ailon, Tamir⁵, Dandurand, Charlotte⁵, Paquette, Scott⁵, Charest-Morin, Raphaële³, Dea, Nicolas⁵, Street, John³, Fisher, Charles G.³, Wilson, Jefferson⁶, DiGiorgio, Anthony⁷, Mac-Thiong, Jean-Marc⁸, Christie, Sean⁹, Wilson, Jamie^{10,11}, Ricks, Christian^{1,2}, Okonkwo, David^{1,3}, Kwon, Brian K.^{1,3}

40 CHRISTOPHER KIM **ADVANCING THE DIAGNOSIS OF MICROVASCULAR INFLAMMATION IN KIDNEY TRANSPLANTATION**
MSc student
NOBLE 69
Kim, Christopher^{1,2}, Bissonnette, Mei Lin^{1,3}, Martin, Spencer⁴, Cheung, Honor⁴, Sherwood, Karen^{1,2}, Keown, Paul^{1,2,3}, Huntsman, David^{1,4}, Lan, James^{1,2,3}

41 BOB LIN **UNDERSTANDING THE MECHANISM BEHIND COXSACKIEVIRUS-INDUCED NON-CANONICAL AUTOPHAGY: IMPLICATIONS FOR AMYOTROPHIC LATERAL SCLEROSIS PATHOLOGY**
MSc student
NOBLE 70
Lin, Bob^{1,2} Luo, Honglin^{1,2}

42 ADAM MCGIVERN **IMPLEMENTATION AND ASSESSMENT OF DECENTRALIZED DONOR-DERIVED CELL-FREE DNA TESTING FOR KIDNEY TRANSPLANT MONITORING IN CANADA**
MSc student
NOBLE 71
McGivern, Adam^{1,2} Fenninger, Franz,^{1,2} Xu, Rulan² Sherwood, Karen^{1,2} Keown, Paul^{1,2,3} Lan, James^{1,2,3}

43 NINA REECE **EVALUATING THE THERAPEUTIC POTENTIAL OF FUCOIDAN FOR COATING DRUG-ELUTING STENTS**
MSc student
Reece, Nina^{1,2}, Buenaventura, Gaea^{1,2}, Chatha, Aakar^{1,2}, Ho, Vivian^{1,2}, Elishaev, Maria^{1,2}, Cheng, Wan-Hei^{1,2}, Leung, Samuel^{1,2}, Sun, Tao^{1,2}, Kong, Hyejin Julia^{1,2}, Wang, Ying^{1,2}

44 WILLIE WU **DISSECTING TUMOR MICROENVIRONMENT ARCHITECTURE THROUGH SPATIAL ANALYSIS IN EARLY-STAGE NON-SMALL CELL LUNG CANCER**
MSc student
Wu, Willie^{1,2}; Anderson, Wyatt^{1,3}; Inaba, Fumiya^{1,2}; Gallagher, Paul¹; Noureddine, Kouthar¹; Fitzsimons, Evelyn¹; Xiang, Richard⁴; Martin, Spencer³; McGuire, Anna⁴; Guillaud, Martial^{1,2,3}; MacAulay, Calum^{1,2,3}; Enfield, Katey^{1,2,3}

45 FATIMA YASEEN **EXAMINING DIFFERENCES IN BLOOD MITOCHONDRIAL DNA CONTENT BETWEEN WOMEN LIVING WITH AND WITHOUT HIV IN THE 2021-2025**
MSc student

ANTIRETROVIRAL THERAPY ERA FROM BRITISH COLUMBIA.

Yaseen, Fatima¹, Kowatsch, Monika M.^{2,3,4}, Povshedna, Tetiana^{1,6,7}, Gadawska, Izabelle¹, Tognazzini, Shelly⁵, Kaida, Angela^{2,3,5}, King, Elizabeth M.^{2,3,4,5,8}, Cote, Helene C.F.^{1,2,3,6,7}, Murray, Melanie C.M.^{2,3,4,7,8} on behalf of the British Columbia CARMA-CHIWOS Collaboration (BCC³; CIHR CTN+335)

46 VIVIAN ZHU*MSc student***THE MULTIPLE SCLEROSIS-ASSOCIATED NR1H3 ARG413GLN MUTATION ALTERS ACUTE MYELOID RESPONSES AND REVEALS STAGE-DEPENDENT CENTRAL NERVOUS SYSTEM IMMUNE REMODELING IN EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS**

Zhu, Vivian¹; Kamma, Emily¹; Becquart, Pierre¹; Farhangi, Sahar¹; Wong, Curtis¹; Tharakan, Robin¹; Vilariño-Güel, Carles^{1,2}; Quandt, Jacqueline¹

47 CINDY SHI*MSc student***AORTIC ROOT FUNCTIONAL ANATOMY FOR TRANSCATHETER AORTIC VALVE REPLACEMENT: A CADAVERIC STUDY**

Cindy Shi, Majid Alimohammadi

48 ISABELLA DIBERARDINO*MSc student***DEFINING POPULATION REFERENCE INTERVALS FOR PLASMA BRAIN-DERIVED TAU AND PHOSPHORYLATED-TAU-217 ACROSS THE LIFESPAN**

DiBerardino, Isabella¹; Cooper, Jennifer²; Stukas, Sophie²; Karikari, Thomas^{3,4}; Hutchison, Jamie⁵; Wang, Kevin⁶; Kobeissy, Firas⁶; Mondello, Stefania⁷; Diaz-Arrastia, Ramon⁸; Puccio, Ava⁹; Wellington, Cheryl^{2,10,11}

49 CRAIG IVANY*PhD student***UNDERSTANDING WHAT SHAPES CHANGE IN LABORATORY SYSTEMS: A STRUCTURED APPROACH**

Ivany¹, Craig, Dr. Kalua², Khumbo, Dr. Perrone¹, Lucy

50 MICHAEL LANE*PhD student***EXTRACELLULAR GRANZYME B DRIVES COORDINATED TRANSCRIPTIONAL REPROGRAMMING IN HUMAN KERATINOCYTES**

Lane Michael^{1,2,3}, Aubert Alexandre^{1,2,3}, Prudova Anna^{1,2,3}, Tang Jeffrey^{4,5,6}, Jung Karen^{1,2,3}, Granville David^{1,2,3,5,6}

51 MICHELLE LIN*PhD student***DEVELOPING CELL SURFACE TARGETED ENZYMES FOR BLOOD GROUP CONVERSION**

Lin, Michelle C. Q.¹; Hosseini, Hassan¹; Moon, Haisle¹; Ho, Freda¹; Withers, Stephen G.²; Kizhakkedathu, Jayachandran N.¹

52 ZOE LOFFT*PhD student***HIGH FOLIC ACID IMPACTS INSULIN-PRODUCING BETA-CELL FUNCTION**

Lofft, Zoe^{1,3}, Kajino, Mayu⁴, Huang, Elaine^{2,3}, Devlin, Angela^{1,3}

53 JOHN PERRIER*PhD student***TISSUE FACTOR AND PROCOAGULANT LIPID ON DENGUE VIRUS AND HUMAN CORONAVIRUS-229E**

Perrier, John^{1,3}, West, Henry^{1,3}, Lin, Bryan^{2,3}, Sutherland, Michael^{1,3,4}, Pryzdial, Ed^{1,3,4}

54 ALEXANDRE AUBERT*PDF***GRANZYME B ORCHESTRATES A DEGRADOMIC AND TRANSCRIPTOMIC LANDSCAPE THAT PROMOTES PRO-INFLAMMATORY AND PRO-FIBROTIC PROGRAMS IN DERMAL FIBROBLASTS**

Alexandre Aubert^{1,2,3}, Anna Prudova^{1,2,3}, Jeffrey S. Tang^{4,5,6}, Jhunam Sidhu^{1,2,3}, Karen Jung^{1,2,3}, Richard I. Crawford^{2,7} and David J. Granville^{1,2,3}

55 LANLAN FANG**INVESTIGATING THE ROLES OF TRANSFORMING GROWTH FACTOR-BETA**

PDF

AND MITOGEN-ACTIVATED PROTEIN KINASES PATHWAYS IN THE PATHOGENESIS OF DICER1 SYNDROME-ASSOCIATED SARCOMA

Fang, Lanlan¹; Zhang, Joyce¹; Chen, Shary¹; Dang, Sam¹; Wang, Shuangyu²; Wei, Grace¹; Choi, Yannes¹; Senz, Janine¹; Lynch, Branden J.¹; Huntsman, David^{1,2}; Wang, Yemin¹

56 DANIELE FERRARI

PDF

EMERGING ROLES OF GRANZYME K IN AGE-ASSOCIATED NEUROINFLAMMATION AND BEHAVIORAL DYSFUNCTION

Ferrari, Daniele^{1,2,3}; Ponomarev, Tatjana^{1,2,3}; Zhao, Hongyan^{1,2,3}; Granville, David^{1,2,3}

57 BIANCA RIBEIRO DE SOUZA

PDF

TMATOOLS: POWERING PROCESSING AND INTEGRATION OF TISSUE MICROARRAY (TMA) DATA AT SCALE

Ribeiro de Souza, Bianca^{1,2,3}; Okada Akhlaghi, Hannah³; Netto Flores Cruz, Giuliano^{4,5}; Lange, Philipp F.^{1,2}; Anglesio, Michael³

58 GENEVIEVE AMARAL

Resident

NOBLE 84

LEVERAGING LOW-COST BLUETOOTH TRACKERS TO OPTIMIZE SPECIMEN LOGISTICS FOR TRANSPLANT PATIENTS: A PILOT ACROSS TWO WESTERN CANADIAN HEALTH AUTHORITIES

Amaral, Geneviève¹; Tang, Patrick^{1,2}; Matic, Nancy^{1,2}; Yuen, Victor T.H.^{1,3}; Grasa, Katherine³; Kaufmann, Elisha³; Lawson, Tanya²; Young, Matthew²; Payne, Michael^{1,2}; Romney, Marc G.^{1,2}; Stefanovic, Aleksandra^{1,2}; Musaji, Andrei^{1,3}; Lowe, Christopher F.^{1,2}

59 EMMA FINLAYSON-TRICK

Resident

NOBLE 85

ANTIBIOTICS DON'T TAKE WEEKENDS OFF: FEWER BROAD-SPECTRUM DISCONTINUATIONS ON SATURDAYS AND SUNDAYS

Finlayson-Trick, Emma¹; Shajari, Salomeh²; Peermohamed, Shaqil^{2,3}

60 REED HUBER

Resident

NOBLE 86

CYTOPLASMIC P16 IMMUNOHISTOCHEMISTRY CORRELATES WITH CDKN2A PATHWAY ALTERATION IN ORAL EPITHELIAL DYSPLASIA AND HEAD AND NECK SQUAMOUS CELL CARCINOMA

Huber, Reed¹; Ko, Kevin^{1,2}; Hahn, Elan³

90 ETHAN KENMUIR

Graduate Student

INVESTIGATING INFECTIOUS LARYNGOTRACHEITIS VIRUS TRANSMISSION AND VACCINE REVERSION IN BRITISH COLUMBIA USING TARGETED AMPLICON SEQUENCING

Ethan Kenmuir^{1,2}; Kevin Kuchinski³; Chelsea Himsworth³; Gigi Lin³; Jake Miller²; Natalie Prystajecy^{1,2}

Additional Noble Award entry

KHASHAYAR HANJANI

Resident

NOBLE 87

VALIDATION OF CSF KAPPA FREE LIGHT CHAINS ASSAY AS A DIAGNOSTIC BIOMARKER IN MULTIPLE SCLEROSIS

Hanjani, Khashayar¹; Hall, Kari²; Cheng, Catherine¹; Nouri, Kazem¹
