34th HISTORY of MEDICINE DAYS 2025

Friday, March 14, 2025

Program

UNIVERSITY OF CALGARY
CUMMING SCHOOL OF MEDICINE

Cumming School of Medicine
3330 Hospital Drive NW

7:30AM REGISTRATION and CONTINENTAL BREAKFAST (HRMB Atrium)

Libin Theatre, Cumming School of Medicine

8:30AM Welcome
Dr. Frank W. Stahnisch, Conference Chair

8:35AM Greeting Addresses
Dr. Todd Anderson, Dean – Cumming School of Medicine
Prof. Aoife Mac Namara, Dean – Faculty of Arts

8:50AM Introduction HMDs Conferences and History of Medicine
Dr. Frank W. Stahnisch
AMF/Hannah Professorship in the History of Medicine and Health Care Program

SESSION 1 – PRE-MODERN MEDICINE (Libin Theatre)

9:00AM – 10:00AM Chair: Prof. Lesley Bolton, Dept. of Classics and Religion, University of Calgary

1. Al-Zahrawi's Surgical Legacy: Bridging 10th Century Forceps, Scalpels, and Surgical Needles to Modern Operating Rooms – **Noor Al Kabbi, Aljeena Qureshi (University of Toronto)**
2. The Treatment and Approach to Mental Health in Arab-Muslim Medieval Medicine: A Contemporary Field Study – **Yasmine Zemni (University of Ottawa)**
3. Sami Yoiking: Path Through Culture, Spirituality, and Healing Traditions – **Sophia Fedorenko (University of Calgary)**

10:00AM – 10:30AM COFFEE BREAK (HRMB Atrium)

SESSION 2 – MILITARY MEDICINE (Libin Theatre)

10:30AM – 11:30AM Chair: Prof. Timothy Stapleton, Dept. of History, University of Calgary

4. Marie Curie: Empowering Women and Advancing Radiation Technology in Conflict – **Noor Qureshi, Taif Ali, Samiha Rahman, Amol Kalra (Western University)**
5. The Development of Modern Military Medical Evacuation and Its Influence on Technology and Medical tactics in the United States Army – **Hunter Beniuk (University of Calgary)**
6. Blowing Up Cancer: Mustard Gas and the Birth of Chemotherapy – **Shirley Fan (Western University)**

11:30AM – 11:45AM BREAK

SESSION 3 – PATHOLOGY (Libin Theatre)

11:45AM – 12:30PM Chair: Dr. Jim Wright, Jr., Dept. of Pathology & Laboratory Medicine, University of Calgary

7. Gold Standards: Arsenic Trioxide and the Precious Role of Metals in Medicine – **Raymond Tu (Western University)**
8. Dead Men Do Tell Tales: The Historical Development of Forensic Dissection Protocols in North America – **Anjalika Balassuriya (University of Calgary)**

KEYNOTE LECTURE & DISCUSSION (Libin Theatre)
12:30PM – 1:45PM
Chair: Dr. Frank W. Stahnisch

Professional Conduct and a Kind Heart? Ethical Issues in British and German Medical Practice and Research during the Long Nineteenth Century

Prof. Andreas-Holger Maehle, Professor of the History of Medicine, Wellcome Centre in the History of Medicine & Medical Ethics, Durham University, United Kingdom

In conjunction with the O'Brien Institute for Public Health, the Calgary History of Medicine Society, and the C-S.T.E.M.S. Working Group at the Calgary Institute for the Humanities

1:45PM – 2:45PM HOT BUFFET LUNCH (HRIC Atrium)

POSTER SESSION I (HRIC Atrium)

2:45PM – 4:00PM Chair: Dr. Guido van Marle, Dept. of Microbiology, Immunology & Infectious Diseases, University of Calgary

I. How Treatment of Spontaneous Epistaxis Evolved from Ancient Medicine – **Joseph Russell (Western University)**
II. The Genesis of Total Nasal Reconstruction – From Ancient India to Renaissance Italy – **Jay Shah (Western University)**
III. Magic and Medicine: How Cunning Folk Avoided Persecution During the Witch Trials of England and Scotland (16th to 18th Centuries) – **Humna Maryam (University of Calgary)**
IV. Traditional Medicine on Manitoulin Island: Unearthing Insights from Historical Interviews and Jesuit Diaries (1800-1900s) – **Kallie Ritchie, Claire Poulin (Northern Ontario University)**

V. Leprosy or Lies? Stigma, Society, and the Truth in Arthur Conan Doyle's "The Adventure of the Blanched Soldier" (1926) – **Shreya Sharma (Western University)**
VI. You're Getting Warmer: How the Use of Stockinette Caps Reveals the Development of Infant Thermoregulation Care Notions and Physician Involvement in Post-Birth Infant Care in the Western Medical Tradition – **Navdip Gill (University of Calgary)**
VII. Supernatural, Hysteria, Conversion Disorder, or Functional Neurological Disorder: The Illusive Disorder with a Complicated Past – **Jarrod Dyck (University of Calgary)**
VIII. A Rich Man's Drug or Local Anesthetic? A Review on the Historical Uses of Cocaine – **Andrea Wang (Western University)**
IX. Sculpting with A Scalpel: Dr. Harold Gillies and the Artistry of Reconstructive Surgery **– Brigida DiMatteo (Western University)**
X**.** The History of Lobotomies from World War I to the Introduction of Psychopharmacology **– Taylor Hooper (University of Calgary)**
XI. From Gas Clouds to Clear Vision: The Legacy of Chemical Warfare Exposure in WWI and its Influence on Canadian Ophthalmology – **Mia Sams (Queen's University)**
XII. From Rehabilitation to Enhancement: The Evolution of Prosthetic Limbs since WWII – **Alisha Grashof (University of Calgary)**
XIII. Visual Aids, Healthcare, and the Ontario Assistive Devices Program c. 1982-1992 – **Alexander Kos (Northern Ontario University)**

4:00PM – 4:30PM COFFEE BREAK (HRIC Atrium)

SESSION 4 – *HISTORY OF PHARMACOLOGY & ANAESTHESIA* (Libin Theatre)

4:30PM – 5:15PM Chair: Dr. Andreas-Holger Maehle, Wellcome Centre for the History of Medicine & Medical Ethics, Durham University, UK

9. The Sleep of Death and the Dawn of Safety: How Anesthesia's Risks Sparked Modern Innovations **– Austin Solak (Western University)**
10. Why Should We Take This Lying Down? Evolution of the Dorsal Lithotomy Position in Childbirth and its Influence in the Age of Epidural Anaesthetics – **Stesi Kambo, Danielle Tsirulnikov (University of Toronto)**
11. Cold Hearts, Warm Breakthroughs: How Canadian Hypothermia Shaped Modern Cardiac Anesthesia **– Nima Malakoti-Negad, Yaser Al Moayad (Western University)**

5:15PM – 5:30PM BREAK

SESSION 5 – *MIND & BRAIN* (Libin Theatre)

5:30PM – 6:30PM Chair: Dr. Manuel Hulliger, Hotchkiss Brain Institute, University of Calgary

12. Heroic measures: The complicated legacy of Julius Wagner-Jauregg (1857-1940) and the discovery of malariotherapy **– Nicholas Lee (Western University)**
13. Mickey Mouse's Suicide Attempt: Medicine and Suicide among Minors in 1930s Brazil – **Pedro Falk (University of Calgary)**
14. Echoes of a Past Life: Dr. Ian Stevenson and The Controversial Medicine of Reincarnation **– Robin Hong (Western University)**
15. Fear and Loathing in Western Psychiatry: From LSD to Psychedelic Renaissance **– Cory Owens (University of Calgary)**

Special Feature Award Session (Libin Theatre)

6:30PM - 7:15PM Chairs: Dr. Frank W. Stahnisch *&* Dr. Michael Williams – Department of Computer Science

Michael & Michelle Williams Award in Science, Technology, Environment, & Medicine Studies

University of Calgary 2025 Graduate Student Award Recipient
Bestowment of Certificate and Project Presentation

7:15PM – 8:15PM HOT BUFFET DINNER (HRIC Atrium)

[Prior Registration Required]

Saturday, March 15, 2025 – Libin Theatre

7:30AM REGISTRATION and CONTINENTAL BREAKFAST (HRIC Atrium)

SESSION 6 – *CANADIANA* (Libin Theatre)

8:30AM – 9:30AM Chair: Dr. David Marshall, Department of History, University of Calgary

16. Henry Norman Bethune: Controversial Canadian vs. Bai Qiu'en: Chinese Model Cadre – **Ashley Schepis (Bridgewater State University, United States)**
17. Pioneers of Prevention: The Saskatchewan Anti-Tuberculosis League and the Birth of Canadian Mass Radiological Screening, 1914-1955 – **Aly Muhammad Ladak (University of Toronto)**
18. The Medical Aspect: BCG Vaccination Policies in Canada from the 1940s to the 1970s – **Ashley Brown (McGill University)**
19. "[He's] worried about catching AIDS in the washroom at work": Canadian Perceptions of Contamination during the AIDS Crisis, 1982–1992– **Dasha Guliak (University of Saskatchewan)**

SESSION 7 – *WOMEN'S MATERNAL HEALTH* (Libin Theatre)

9:30AM – 10:30AM Chair: Dr. Magali Robert, Department of Obstetrics and Gynaecology, University of Calgary

20. "The Married Woman's Private Medicine Companion": The Story of Madame Restell and the Critical Shift of Discourse in Reproductive Health – **Jayhan Kherani, Isabella Reis (University of Toronto)**
21. Uncovering the Colonial Roots of Labial Hypertrophy in Contemporary Female Genital Cosmetic Surgery – **Yashaswani Chauhan (Western University)**
22. "These knowledges are coming back … and it'll make our people stronger": An Oral History of Indigenous Maternal Health and the Impacts of Indigenous Midwifery – **Arielle Perrotta (University of Calgary)**
23. Validating a Disease Theory: How Poor Evidence Shaped Decades of Endometriosis Treatment – **Ariela Jamshidi-Shahvar (Western University)**

10:30AM – 11:00AM COFFEE BREAK (HMRB Atrium)

SESSION 8 – *HISTORY OF SURGERY* (Libin Theatre)

11:00AM – 12:00PM Chair: Dr. John Jarrell, Department of Obstetrics and Gynaecology, University of Calgary

24. Salmon Spermatozoa & Blood Clotting: The Overlooked Role of Protamine Sulphate as a Heparin Reversal Agent in early Cardia Surgery – **Dina Babiker (Western University)**
25. The Pride and Prejudice of Rhinoplasty: The History of the "Jewish Nose" in the 19th and 20th Centuries – **Danielle Tsirulnikov (University of Toronto)**
26. The Role of Surgical Innovation and Hesitancy in Limb Replantation: How Ronald Malt Set the Impetus for Improved Limb Salvation Efforts – **Eva Vieira (Western University)**
27. "It's a Branding Issue" – The Development of fecal Microbiota Transplantation and Overcoming the "Ick Factor" **– Poojitha Pai (Western University)**

POSTER SESSION II (HRIC Atrium)

12:00PM – 1:45PM Chair: Prof. Glenn Dolphin, Tamaratt Chair of Science Teaching, University of Calgary

XIV. Fanny Burney's Mastectomy: A Case Study in 19th-Century Gynaecology – **Ainsley Suntjens (University of Calgary)**

XV. Societal Influences on Psychosurgery: Values Guiding its Adoption, Demise, and Return – **Chris Zajner (Western University)**

XVI. Excited Delirium: How a Medical Diagnosis Became a Justification for Systemic Racism – **Aishwarya Kulkarni (Western University)**

XVII. The Canadian Medical Doctors' Use of Violence and Vaccines During the Nineteenth Century – **Victoria Knox (Bridgewater University, United States)**

XVII. "It's only a cough": Delays in action against Coal Workers' Pneumoconiosis in Lethbridge during the early 20th Century – **Yiming Zhang (McMaster University)**

XIX. From Echoes to Clarity: The Historical Evolution of Contrast-Enhanced Ultrasound in Medical Imaging – **Andee Qiao (Western University)**

XX. Open Your Mind: Psychedelics, Psychosurgery, and the Emergence of the Modern Conspiritual Wellness Movement **- Marsden Ashe (University of Calgary)**

XXI. Historical Growing Pains: The Emergence of Pain Notions in Western Paediatric Care Contexts – **Maryse Hendi (University of Calgary)**

XXII. A Humanistic Tint: How Overlaps in Creative Music Therapy and Person-Centred Dementia Care Gave Rise to Dementia-Specific Modalities of Music Therapy in the 1990s **– Joseph Bahhadi (University of Calgary)**

XXIII. Electricity and Resuscitation: the origins of Defibrillation in CPR **– Ibrahim Alsalkhadi, Salem Abu Al-Burak (Western University)**

XXIV. From Concept to Clinic: the 30-Year Journey of Oncolytic Chimeric Antigen Receptor T-Cell Therapy – **Quinn Tomalty (University of Calgary)**

XXV. From Bloodletting to Autologous Platelet-Rich Plasma (PRP) Therapy: A Historical Paradigm Shift in Blood's Healing Role and Modern Applications in Wound Care, Tissue Regeneration, and Rejuvenation – **Ali Bayrouti (University of Calgary)**

XXVI. Exploring the Development of Plasma Protein Fractionation Within the Context of World War II – **Jonah (Xuanhao) Feng (University of Calgary)**

XXVII. From Cancer-Causing to Tumour-Suppressing: A Pivotal Shift in the Understanding of the p53 Protein in Cancer – **Alice Zheng (Western University)**

1:45PM – 2:45PM LUNCH (HRIC Atrium)

SESSION 9 – *BLOOD* (HRIC Atrium)

2:45PM – 3:30PM Chair: Dr. Stephen Pow, Alberta Children's Hospital, University of Calgary

28. Blood on their hands: How the Krever Commission Uncovered Canada's Tainted Past and Rebuilt Canada's Broken Blood System – **Rhidita Saha (Western University)**
29. "Leech Mania": Bringing Medicine and Economy Together in 18th- and 19th-Century Europe and America – **Nikita Burman (Western University)**
30. War as a Laboratory: The Evolution of American Blood Transfusion Techniques in World War 1 – **Vanessa Chen, Ivan Zhang (Western University)**

3:30PM – 3:45PM COFFEE BREAK (HRMB Atrium)

SESSION 10 – *NON-WESTERN HISTORY OF MEDICINE* (Libin Theatre)

3:45PM – 4:45PM Chair: Dr. Saulesh Yessenova, Dept. of Anthropology and Archaeology, University of Calgary

31. From Calories to Colonies: Tracing the Imperial Roots of Diabetes in South Asians – **Sahara Rosha (Western University)**
32. From Physicality to Psychology: Symbols of Healing and Illness Among Indentured Servants in 19th Century West Indies – **Aarthi Muthukumar (Rocky Vista University, United States)**
33. Infectious Disease Outbreaks During the Construction and Early Operation of the Suez Canal: Implications for Global Health and Epidemiology – **Salma Zain (University of Calgary)**
34. Persistence on Multiple Fronts: The Soviet Union's Role in the Rise, Fall, and Resurgence of Phage Therapy **– Adela Gottardi, Josephine Liu (Western University)**

4:45PM – 5:00PM BREAK

SESSION 11 – *HISTORY OF SURGERY II* (Libin Theatre)

5:00PM – 6:45PM Chair: Dr. Fedir Razumenko, Department of Medicine, University of Calgary

35. The Fastest Knife in the West End: How Robert Liston (1794–1847) Utilized Speed and Skill to Pioneer the Patient-Centred Surgical Model in 19th-century England – **Wyatt Pickrell (Western University)**
36. A Bloodless Revolution? Examining the Debate surrounding the Use of Electrosurgery as a "New" Tonsillectomy Technique in the Early 20th Century – **Carly Burow, Isha Suri (Western University)**
37. In the Eye of Innovation: The History of Antibiotic Use in Cataract Surgery – **William Herspiegel (Western University)**
38. An Eye for an Eye: The Early Landscape of American Corneal Transplant Surgery and Development of the World's First Eye Bank **– Afreen Ahmad (University of Toronto)**
39. The Limits of Lobotomy: Rejected Surgical Cases in Hamilton, 1952-72 **– Jonathan Harper (McGill University)**
40. From Conception to Reality: How the Birth of In Vitro Fertilization Transformed the Field of Reproductive Medicine – **Mia Van Oirschot (Western University)**
41. To Scan or Not to Scan: Determining Skeletal Age and its Applicability in Diverse Populations – **Judy Zhou (Western University)**

7:00PM Awards Banquet (offsite)

Enjoy a beverage, the band, and mingle during cocktail hour:

Last Defence Lounge (LDL)
Main Campus – MacEwan Conference & Event Centre
350 MSC, 2500 University Dr. NW
[cash bar only for alcoholic beverages]
[Prior Registration Required]

Joseph Bahhadi & Friends Jazz Group (University of Calgary students)

8:30PM - Buffet Dinner & Awards Ceremony Start

10:30PM - Official Program Ends
11:30PM - Last Defence Lounge Closes

PLEASE NOTE:

The History of Medicine Posters may be viewed on Friday and Saturday in the HRIC Atrium of the Cumming School of Medicine.

During March 14th and 15th, 2025 a Historical Book Display from the History of Medicine Room, Health Sciences Library has been solicited for conference attendees to view.

This program has received an educational grant or in-kind support from: Associated Medical Services, and the Alberta Medical Association

The Program Committee for the 2025 History of Medicine Days conference has received CME Credit Points under Section 1 of the Framework of CPD Options of the Maintenance of Certification program of the ROYAL COLLEGE OF PHYSICIANS AND SURGEONS OF CANADA (RCPSC). A Signature Sheet for Credits will be available at the Registration Table.

Course Duration:

Day 1: 7.00 hours
Day 2: 8.25 hours
Total :15.25 hours RCPSC MOC Section 1 Group Learning hours