

33rd HISTORY of MEDICINE DAYS 2024

Friday, March 15, 2024



UNIVERSITY OF CALGARY
CUMMING SCHOOL OF MEDICINE



Program

Ballroom, MacEwan Hall
Main Campus - 424 Collegiate Blvd NW

7:30 AM REGISTRATION and CONTINENTAL BREAKFAST

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

8:35 AM – Greeting Addresses

Dr. Todd Anderson, Dean – Cumming School of Medicine

Prof. Aoife Mac Namara, Dean – Faculty of Arts

8:50 AM – Introduction

HMDs Conferences and History of Medicine in Calgary – **Dr. Frank W. Stahnisch**
(**AMF/Hannah Professorship in the History of Medicine and Health Care**)

[non accredited]

SESSION 1 – PRE-MODERN MEDICINE

9:00 AM – 10:00 AM – Chair: **Prof. Courtney Konshuh**, Dept. of History

1. *The Sacred Disease*: How Hippocrates's Radical Approach is a Modern Principle of Medicine – **Rohail Shahid (Schulich Medicine & Dentistry-Western University)**
2. Treatment of an Ancient Disease: Diet & Lifestyle Approaches as Treatment for Diabetes Mellitus in the Pre-Insulin Era – **Anna Basu (Schulich Medicine & Dentistry-Western University)**
3. Maggots in Open Wound Therapy: Medicine's Unsung Heroes – **Bo Wen Xia (Schulich Medicine & Dentistry-Western University)**
4. The Crossroads of Botany, Pharmacy, and Astrology in Early Modern England – **Jade Goh McMillan (Oxford University, UK)**

[By the end of this session, participants will be able to appraise of and reflect on the diverse and complex history of pre-modern medicine]

10:00 AM – 10:30 AM COFFEE BREAK

SESSION 2 – MILITARY MEDICINE

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

5. Use of Music Therapy in the Military of the Ottoman Empire – **Maryam Othman (Schulich Medicine & Dentistry-Western University)**
6. All is Legal in Love and War: Harm Reduction during the Civil War – **Hanna Hronyecz (Schulich Medicine & Dentistry-Western University)**

7. Chemical Warfare Lobbying in the United States, 1918–1930 – **Christian Agonh (Schulich Medicine & Dentistry-Western University)**
8. Point of Relief: The Evolution of Acupuncture in Military Pain Management – **Anne Cao (Queen’s University)**

[By the end of this session, participants will be able to appraise and distinguish the diverse practical, technological, and strategic implications of military medicine]

11:30 AM – 11:45 AM BREAK

SESSION 3 – MEDICAL BIOGRAPHY

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

9. The Controversial Legacy of Dr. Helen MacMurchy: Navigating MacMurchy’s Role as Public Health Pioneer and Controversial Eugenicist – **Hillary Hanna (Schulich Medicine & Dentistry-Western University)**
10. The Bittersweet Symphony of Dr. William Halsted: Cocaine, Conduction Anesthesia, and the Practice of Innovation – **Hanshin (Jason) Lee (Western University)**

[By the end of this session, participants will be able to appraise of and reflect on the contingencies and intricacies of biographical developments in medical lives and careers]

12:30 PM KEYNOTE LECTURE & DISCUSSION

– Chair: Dr. Frank W. Stahnisch

“Emil du Bois-Reymond as Educator: How a Neurophysiologist Sparked Innovations in Research, Teaching, History, and Philosophy”

Prof. Gabriel Finkelstein, Professor of History, Department of History, University of Colorado Denver, Denver, CO, USA

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

[By the end of this session, participants will be able to discuss and assess the influences of sociopolitical and epistemic contexts in the history of physiology and medical education since the 19th century]

1:45 PM – 2:45 PM HOT BUFFET LUNCH

POSTER SESSION I

2:45 PM – 3:45 PM – Chair: Dr. Guido van Marle, Dept. of Microbiology, Immunology & Infectious Diseases

- I. Beyond the Barbed Wire: Exploring the Longitudinal Health of Prisoners of War in Far East Asia in WWII and Rehabilitation Efforts – **Rachel Ram (Schulich Medicine & Dentistry-Western University)**
- II. Charting the Evolution of Palliative Care: Dame Cicely Saunders' Vision and Canada's End-of-Life-Care Movement – **Nicholas Li (Schulich Medicine & Dentistry-Western University)**
- III. From Flying Ambulances to Telehealth: How Societal Crises Have Shaped Emergency Medicine – **Jack Boynton (Schulich Medicine & Dentistry-Western University)**
- IV. ~~Hearse to Advanced Life Support: Ontario's History of EMS in the 20th Century –~~
Helena Diao (Queen's University)
- V. Robert Koch's (1843–1910) Transfer of the Microbiology Laboratory to East Africa – **Ethan J. Smith (University of Calgary)**
- VI. Overt to Covert Paternalism: The Evolution of Hysteria to Anorexia Nervosa – **Carly Benson (Schulich Medicine & Dentistry-Western University)**
- VII. Same Symptoms, Different Diagnosis: The Use of Gendered Medicine in the 19th Century – **Julia Cressman (Schulich Medicine & Dentistry-Western University)**
- VIII. From Marvel to Menace: The History of X-Ray Treatment for Tinea Capitis and the Unveiling of Radiation Risks – **Nicholas Dietrich (University of Toronto)**
- IX. Devices for Hearing Impairment in Beethoven's Era: The Development of Hearing Aids during the Industrial Revolution Period (c. 1760–1840) – **Haechan Yang (Schulich Medicine & Dentistry-Western University)**
- X. Toads, Toxins, and Tailor-Made T-Cells: The Curious History of Cancer Immunotherapy – **Samuel Brown (University of Calgary)**
- XI. The Silent Pandemic: Origin and Evolution of Antimicrobial Resistance – **Mana Moshkforoush (University of Calgary)**

[By the end of this session, participants will be able to review the conceptualization and treatment of marginalized groups and targeted populations in the history of international medicine and public health]

3:45 PM – 4:15 PM COFFEE BREAK

4:15 PM FEATURED LECTURE – Chair: Dr. David B. Marshall, Dept. Of History

“Winner’s Curse: The Sad Aftermath of the Discovery of Insulin”

Dr. Jim Wright, Jr., Dept. of Pathology & Laboratory Medicine

[By the end of this session, participants will be able to critically evaluate the epistemic and educational implications towards research in experimental physiology in its application to medical science disciplines and the wider public]

SESSION 4 – HISTORY OF PHARMACOLOGY & ANAESTHESIA

4:45 PM – 5:30 PM – Chair: Dr. Geoffrey Hudson, Human Sciences Division, University of Northern Ontario

11. Heart Defects, Microcephaly, and Missing Ears: How did Isotretinoin Survive a Teratogenic Public Relations Disaster? – **Rachel Simpson (Schulich Medicine & Dentistry-Western University)**
12. Standardizing in Medicine: Dr. Edmond “Ted” Eger II and the Minimum Alveolar Concentration of Anesthetics – **Wen Xuan (Vivian) Xu (Schulich Medicine & Dentistry-Western University)**
13. A Hot Topic in Anesthesiology: Malignant Hyperthermia – **Andrea Wang (Schulich Medicine & Dentistry-Western University)**

[By the end of this session, participants will be able to appraise of and reflect on the diverse and complex history of developments and technological transfers in pharmacology and anaesthesia]

SESSION 5 – MIND & BRAIN

5:30 PM – 6:45 PM – Chair: Dr. Manuel Hulliger, Hotchkiss Brain Institute, Cumming School of Medicine

14. The Legacy of Karl Jasper’s *General Psychopathology*: Psychic Phenomena in the Context of Illness Experience – **Christina Leach (University of Calgary)**
15. Seeing Double: The Transformation of Capgras Syndrome from a Psychiatric to a Neurological Condition – **Nicholas Lee (Schulich Medicine & Dentistry-Western University)**
16. Neurophysiology and Dreaming: The Discovery of REM Sleep – **Nasong Anthony Luginaah (Schulich Medicine & Dentistry-Western University)**
17. Milestones in the History of Brain Aneurysm Treatment – To Clip or Not to Clip: Dr Gazi Yaşargil’s Microscope, Dr Charles Drake’s Fenestrated Clip, and Guglielmi Detachable Coil – **Retage Al Bader (Schulich Medicine & Dentistry-Western University)**
18. Not Just a Wrinkle in Time: The Discovery of Botulinum Toxin for Visual and Neuromuscular Rehabilitation – **Lisa Lavalley (Queen’s University)**

[By the end of this session, participants will be able to appraise of and reflect on the diverse and complex history of mind and brain relationship]

6:45 - 7:15 pm Special Feature – Award Session

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

Chairs: Dr. Frank W. Stahnisch &
Dr. Michael Williams – Department of Computer Science

Presentation by the 2024 University of Calgary Graduate Student Winner

Michael & Michelle Williams Award Presentation

[non accredited]

7:15 PM HOT BUFFET DINNER
[Prior Registration Required]

Saturday, March 16, 2024

Ballroom, MacEwan Hall
Main Campus - 424 Collegiate Blvd NW

7:30 AM REGISTRATION and CONTINENTAL BREAKFAST

SESSION 6 – CANADIANA

8:30 AM – 9:15 AM – Chair: Dr. Paul Stortz, Department of History

19. Is There a Doctor in the House: An Exploration of Physicians as Decision-Makers Across the Canadian Federation – **Farah Qaiser (University of Toronto)**
20. “Heretics of the Profession”: Intra-professional Dissent during the 1962 Saskatchewan Doctors’ Strike – **Aishwarya Kulkarni (Schulich Medicine & Dentistry-Western University)**
21. Palpation, Pandemics and Prognosis: History of Breast Cancer Screening in Ontario – **Melissa Yeo (University of Northern Ontario)**

[By the end of this session, participants will be able to critically evaluate the multifold confluents of the diverse and complex history of Canadian medicine and health care]

9:15 AM FEATURED LECTURE

Chair: Dr. John Jarrell, Dept. of Obstetrics and Gynaecology

“Building a History from the Ground up: A Book Project to Commemorate over a Century of the Alberta Children’s Hospital in Calgary (1922-Present)”

**Dr. Ian Mitchell & Dr. Stephen Pow, Alberta Children’s Hospital,
University of Calgary, AB**

[By the end of this session, participants will be able to critically evaluate the complex histories that led to the establishment of paediatric care institutions as well as medical and educational programs]

9:45 AM – 10:15 AM COFFEE BREAK

SESSION 7 – HUMAN SEXUALITY

10:15 AM – 11:15 AM – Chair: Prof. Lesley Bolton, Department of Classics and Religion

22. From Devil’s Work to Public Good: Complicating the Legacy of Birth-Control Trailblazer Dr. Elizabeth Bagshaw – **Leann Blake (Schulich Medicine & Dentistry-Western University)**
23. A History of Sexual assault Evidence Kits: The Silver Bullet to Approaching Gender-Based Violence? – **Sydney Timmermans (Western University)**

24. The Large Home and the Small Home: Women's Votes, Venereal Disease, and Eugenics in Early 20th-Century Sweden – **Ingrid Lyberg (Orebro University, Sweden)**
25. A Case Study from the History of Laboratory Medicine: Human Immunodeficiency Virus (HIV) and Acquired Immunodeficiency Syndrome (AIDS) – **Yanbo (Chris) Wen (University of Calgary)**

[By the end of this session, participants will be able to appraise of and reflect on modern contexts of human sexuality and reproductive medicine]

SESSION 8 – HISTORY OF REPRODUCTIVE MEDICINE

11:15 AM – 12:15 PM – Chair: Prof. Whitney Wood, Department of History, Vancouver Island University, BC

26. Obstetric Anaesthesia: History of Pain Alleviation of One Side in the Sinning Partnership – **Afreen Ahmad & Danielle Tsirulnikov (University of Toronto)**
27. Of Mice and Women: Unveiling Gender Disparities in Preclinical Animal Research – **Nikoo Aghaei (Queen's University)**
28. A Technology of Passing: The Advertisement of Midol for Menstrual Pain Relief in Popular Women's Magazines (1930-1940). – **Maisie Hudson (Vancouver Island University)**
29. The Ladylike and the Lobotomized: How Scientific Beliefs about Women in the 1940s and 1960s Led to a Rise in Lobotomies – **Katie Chen (Schulich Medicine & Dentistry-Western University)**

[By the end of this session, participants will be able to appraise of and reflect on modern contexts of human sexuality and reproductive medicine]

POSTER SESSION II

12:15 PM – 1:15 PM – Chair: Prof. Glenn Dolphin, Tamaratt Chair of Science Teaching

- XII. From Peg Legs to Mechanical Joints: How Ambroise Paré Began a Renaissance in Amputation Surgery – **Sherwin Rajkumar (Schulich Medicine & Dentistry-Western University)**
- XIII. From Sharpened Stones to Cystoscopes: How the Evolution of Medical Equipment Defined the Field of Urology – **Wyatt Pickrell (Schulich Medicine & Dentistry-Western University)**
- XIV. Coexistence to Control: Tuberculosis and the Evolving Relationship between Traditional Inuit and Western Biomedical Approaches to Healthcare – **Xin Law-Gallagher (McMaster University)**
- XV. Learn or Repeat? A Comparison of the Strategy and Response to Forced Closures as a Public Health Measure in the 1918 Spanish Influenza and Covid-19 Pandemic – **Bronwyn Fryer (Schulich Medicine & Dentistry-Western University)**
- XVI. Unveiling the Alchemy of Weight Loss: A Historical Exploration of Ozempic and its Analogues – **Maya Rao (Western University)**
- XVII. A Juul in the Rough: The History of Tobacco Use and The Rise of E-Cigarettes – **Dakota Huang (University of Calgary)**
- XVIII. Canine Liver to Gangrene: How World War II Shaped Ideas Around and the Development of Anticoagulants – **Jay Shah (Western University)**
- XIX. Blazing Trail: Ross Tilley's Pioneering Approach to Burn Care in WWII and Beyond – **Jessa Letargo (Schulich Medicine & Dentistry-Western University)**

- XX. Mary Todd Lincoln: Navigating Femininity, Grief, and Mental Health in Civil War America – **Peyton Neustaedter (University of Calgary)**
- XXI. Public Health Reform: An Unexpected Legacy of the 1917 Halifax Explosion – **Regan Toltesi (Schulich Medicine & Dentistry-Western University)**
- XXII. History of LSD in Modern Psychiatry – **Maya Schimert (University of Calgary)**
- XXIII. Rediscovering Ecstasy: Alexander Shulgin's Journey with MDMA Synthesis and Psychedelic Therapy – **Shirley Fan (Schulich Medicine & Dentistry-Western University)**

[By the end of this session, participants will be able to appraise of and reflect on the diverse and complex history of mind and brain relationship]

1:15 PM – 2:15 PM LUNCH

POSTER SESSION III

2:15 PM – 3:15 PM – Chair: Prof. Glenn Dolphin, Tamaratt Chair of Science Teaching

- XXIV. "Gastric Derangement": The Gut-Brain Axis in 19th-Century Medical Thought – **Ben Jackson (University of Calgary)**
- XXV. Dr. Sergey Fedoroff (1925–2012): A Journey of Political Turmoil to Neuroscientific Leadership – **Anika Zaman (University of Calgary)**
- XXVI. Unraveling the Dark Legacy: The Influence of Nazi medical Education on Holocaust Physicians – **Kyla Pires (University of British Columbia)**
- XXVII. Beyond the Pale: The Critical Need for Diverse Skin Portrayal in Medical Education and Texts – **Olivia Juliet Sanders (Schulich Medicine & Dentistry-Western University)**
- XXVIII. The Cutter Incident: The tainted Beginnings of a Vaccine Success Story – **Hana Zhang (Schulich Medicine & Dentistry-Western University)**
- XXIX. Medical Morality and the Social Hygiene Movement: Canadian Public Health Perspectives on Venereal Diseases after the First World War – **Hannah Silverman (Queen's University)**
- XXX. "The Widowmaker Disease... Or Is It? Exploring the Evolution of Public Health Information on Women's Cardiovascular Health from the 1940s to Modern-Day" – **Catherine Shao (University of Toronto)**
- XXXI. Lifelines in the Skies: The Transformative Journey of Orgne Through the COVID-19 Era – **Austin Solak (Schulich Medicine & Dentistry-Western University)**
- XXXII. Beats and Breath: How Modern CPR Came to Be – **Morgan Woldanski (Western University)**

[By the end of this session, participants will be able to appraise of and reflect on the diverse and complex history of mind and brain relationship]

3:15 PM – 3:45 PM COFFEE BREAK

SESSION 9 – DECOLONIZING WESTERN MEDICAL KNOWLEDGE

3:45 PM – 4:30 PM - Chair: Prof. Arafaat Valiani, Department of History, University of Oregon

- 30. Decolonizing Evidence-Based Medicine: Teaching Indigenous Ways of Knowing and Healing at the Northern Ontario School of Medicine – **Tony Hu (Queen's University)**

31. Battling Beliefs: Resistance to Western Medicine in Colonial Africa – **Emmanuel Boujeke (Schulich Medicine & Dentistry-Western University)**
32. The Bachelor and the Haruspex: Tensions in the Provision of Health Care during Russia's Modernization – **Mickail Hendi (University of Calgary)**

[By the end of this session, participants will be able to appraise of and reflect on the social and cultural implications of the decolonization development in Western medical knowledge and ways of knowing]

4:30 PM – 4:45 PM BREAK

SESSION 10 – HISTORY OF SURGERY

4:45 PM – 6:15 PM - Chair: Dr. Fedir Razumenko, Department of Medicine

33. Rejection, Skepticism, and Self-Poisoning: The Road to Discovery of Helicobacter Pylori as The Cause of Peptic Ulcer Disease – **Gregory Anagnostopoulos (Western University)**
34. Dr. Frank Jobe: The Arms Dealer of Baseball – **Robin Hong (Schulich Medicine & Dentistry-Western University)**³⁵. A fractured Subject: The Influence of X-Ray on Analytic Cubism – **Jennifer He (Schulich Medicine & Dentistry-Western University)**
36. From Function to Form: The Evolution of Reduction Mammoplasty and Its Aesthetic Transformation – **Chloe Pulver (Schulich Medicine & Dentistry-Western University)**
37. How a Cloudy Past Informed a Clearer Future: The Inception, Downfall, and Resurgence of Immediately Sequential Bilateral Cataract Surgery – **William Herspiegel (Schulich Medicine & Dentistry-Western University)**

[By the end of this session, participants will be able to appraise the impact of practical processes and techniques in their impact on modern surgery and gynaecology]

6:30 PM Awards Banquet

(cash bar for alcoholic beverages)

The Den, MacEwan Hall
Main Campus - 424 Collegiate Blvd NW
[Prior Registration Required]

UC Jazz Band

Joseph Bahhadi and Friends: University of Calgary Students

8:00 PM - Buffet Dinner & Awards

[non accredited]

10:00 PM - End

PLEASE NOTE:

The History of Medicine Posters may be viewed on Friday and Saturday in the Ballroom, MacEwan Hall

The Program Committee for the 2024 History of Medicine Days conference has requested provision for 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). We have been approved. Signature Sheet for Credits will be available at the Registration Table.