



NATIONAL SYMPOSIUM ON FORENSIC SCIENCE IN CRIMINAL CASES NEW DEVELOPMENTS, GOOD EVIDENCE?

In one, intensive day, join an **international** and **interdisciplinary** faculty of experts.

Explore important, new scientific findings and learn about their **practical implications** and their evidentiary use in criminal cases, including:

- Advances in Forensic DNA Testing – genealogy, familial searching and the shifting science of identity
- What forensic sciences have achieved foundational validity?
- How to demonstrate accuracy and objectivity in relation to a forensic science
- Cannabis, Alcohol and Drug Testing – What's new?

Keynote Speaker

Dr. Frederick Bieber, Faculty of Medicine, Harvard University, Medical Geneticist, Brigham and Women's Hospital, Boston, Mass.

Register today at:

osgoodepd.ca/forensic-crim

Program Chairs

The Hon. Justice David Rose
Ontario Court of Justice

Anthony Tessarolo
Director, Centre of Forensic Sciences, Ministry of the Solicitor General, Ontario

Special Guest Speaker

Rockne Harmon
former Senior Deputy District Attorney, Alameda County, California, DNA Forensic Cold Case Consultant

Date and Time

December 6, 2019
9:00 a.m. – 5:00 p.m. EST
In Person or Webcast

Location

Osgoode Professional Development
1 Dundas St. West, 26th Floor
Toronto, ON

National Symposium on Forensic Science in Criminal Cases New Developments, Good Evidence?

Research findings and developments in forensic science often overturn long held assumptions. Courts, in their gatekeeping role must move cautiously in determining the admissibility and probative value of “new science” evidence. Up to date knowledge of the questions and issues being raised relating to these developments is essential for all those involved in the criminal justice system.

This *OsgoodePD* forum is designed to be an open, interactive and thought-provoking gathering of participants across a broad spectrum of the criminal justice system to debate and discuss the practical application and implications of new scientific developments in several key areas.

Topics Include

- Genetic genealogy
- Biogeographic ancestry testing
- Collecting and presenting forensic evidence in court; Getting it right
- How to demonstrate accuracy and objectivity in relation to a forensic science
- Drug recognition evaluation program *and more*

Who Should Attend?

- Forensic Scientists
- Law Enforcement Investigators
- Forensic Lab Trainers and Supervisors
- Lawyers
- Forensic Science Academics
- Judges

Register today at:

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Agenda

8:15 a.m.

Registration

9:00 a.m.

Welcome and Introduction from
the Chairs

9:05 a.m.

Advances in Forensic DNA Testing –
Genealogy, Familial Searching and
the Shifting Science of Identity

Speakers

The Hon. Justice Enzo Rondinelli
Ontario Court of Justice (*Moderator*)

Rockne Harmon
former Senior Deputy District Attorney,
Alameda County, California,
DNA Forensic Cold Case Consultant

Jonathan Millman
Assistant Section Head, Biology Section,
Centre of Forensic Sciences,
Ministry of the Solicitor General, Ontario

Mark Halfyard
Rusonik, O'Connor, Robbins, Ross,
Gorham & Angelini, LLP
Family tree forensics and other new
advances in forensic DNA testing are
changing the way police investigate
crimes. What are the scientific, legal
and societal implications of the rapidly
expanding application of forensic science?

- Biogeographic ancestry testing
- Familial DNA searching
- Genetic Genealogy
- What's permitted in Canada and what isn't?
- How do we strike a balance between the capabilities of science and the rights of individuals?

10:30 a.m.

Refreshment Break

10:45 a.m.

Ethics and Forensic Science

Speakers

Stephen Goudge, Q.C.

Counsel, Paliare Roland Rosenberg Rothstein LLP, Former Justice of the Court of Appeal for Ontario (*Moderator*)

Anthony Tessarolo

Director, Centre of Forensic Sciences, Ministry of the Solicitor General, Ontario

Mary Humphrey

General Counsel, Ministry of the Attorney General, Ontario

Danielle Robitaille

Henein Hutchison LLP

- What are the ethical obligations imposed on justice system participants when collecting and presenting forensic evidence in a court proceeding?
- What happens when forensic scientists get it wrong?
- Who is responsible for ensuring they get it right?
- Best practices for the laboratory and the courtroom

12:15 p.m.

Luncheon

12:45 p.m.

Keynote Address: "Standing at the Crossroads of Science and Law: The Technology of Justice"



Dr. Frederick Bieber

Faculty of Medicine, Harvard University, Medical Geneticist, Brigham and Women's Hospital, Boston, Massachusetts

1:45 p.m.

Objectivity vs. Subjectivity in Scientific Analysis

Speakers

The Hon. Justice David Rose

Ontario Court of Justice (*Moderator*)

Melanie Richard

Forensic Biologist, Biology Section, Centre of Forensic Sciences, Ministry of the Solicitor General, Ontario

Amanda Myslik

Forensic Firearms Examiner, Physical Sciences Section, Centre of Forensic Sciences, Ministry of the Solicitor General, Ontario

S/Sgt. Trevor McLeod

Forensic Identification Services, Ontario Provincial Police

Caitlin Pakosh

Assistant Crown Attorney, Ministry of the Attorney General, Ontario

Jonathan Shime

Cooper, Sandler, Shime & Bergman LLP

In 2009 the *U.S. National Research Council*, and again in 2016, the *President's Council of Advisors on Science and Technology* issued reports on the state of feature comparison forensic evidence:

- What has happened since then? What forensic sciences have achieved foundational validity?
- How to demonstrate accuracy and objectivity in relation to a forensic science
- After STRMix is DNA evidence a more polished gold standard?

3:15 p.m.

Refreshment Break

3:30 p.m.

Expert Roundtable: Cannabis, Alcohol and Drug Testing

Speakers

The Hon. Justice Joseph Kenkel

Ontario Court of Justice (*Moderator*)

Nathan Baker

Nathan Baker Law

Douglas Beirness

Canadian Centre on Substance Use and Addiction

Reed Holland

York Regional Police Service

James Palangio

Counsel, Crown Law Office – Criminal, Ministry of the Attorney General, Ontario

- Drug impaired driving
- Drug recognition evaluation program
- Standard field sobriety testing
- Blood, oral fluid and urine- what is the science of impairment?
- Too high to drive? Prove it.

5:00 p.m.

Program Concludes

“Excellent cross-section of speakers. One of the best conferences I have attended.”
Law Enforcement Forensic Unit

“A program with a great balance of science and law.”
Criminal Lawyer

“A great sharing of information, very informative with lots of cases as examples.”
Forensic Scientist

“Great presenters, great topics and great debates.”
Crown Attorney

Chairs

The Hon. Justice David Rose
Ontario Court of Justice

Anthony Tessarolo
Director, Centre of Forensic
Sciences, Ministry of the
Solicitor General, Ontario

Keynote Speaker

Dr. Frederick Bieber
Faculty of Medicine, Harvard
University, Medical Geneticist,
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Cooper, Sandler, Shime &
Bergman LLP

Registration Details

Fee per Delegate

\$495 plus HST

New call/licensee (2016 – present): 50% discount (reg rate)

Fees include attendance, electronic program materials, lunch and break refreshments. Group discounts are available. Visit www.osgoodepd.ca/group-discounts for details. Please inquire about financial assistance.

Program Changes

We will make every effort to present the program as advertised, but it may be necessary to change the date, location, speakers or content with little or no notice. In the event of program cancellation, York University's and Osgoode Hall Law School's liability is limited to reimbursement of paid fees.

Cancellations and Substitutions

Substitution of registrants is permitted at any time. If you are unable to find a substitute, a full refund is available if a cancellation request is received in writing 14 days prior to the program date. If a cancellation request is made with less than 14 days notice, a \$75 administration fee will apply. No other refund is available.



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(4h 55m Substantive; 2h Professionalism)



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