

DNA Barcoding High-Throughput DNA Sequencing Forensic Science

Recent Advances and Future Prospects

The Center for Law and Human Behavior at the University of Texas at El Paso cordially invites our local homeland security enterprise stakeholders to attend our Homeland Security Symposium entitled: *DNA Barcoding, High-throughput DNA Sequencing, and Forensic Science: Recent Advances and Future Prospects*.

This symposium is part of our Homeland Security Symposium Series focused on addressing supplemental educational/training needs within different homeland security enterprise related domains requested by our local homeland security stakeholders. There are no fees associated with this symposium for attendees. This endeavor is funded by the DHS Science and Technology Directorate, Office of University Programs, under the Center for Borders, Trade, and Immigration Research.

ABOUT THE SYMPOSIUM

Identifying the biological and geographic origins of forensic samples is one of the central challenges to modern forensic science. For some applications, such as identifying whether imported caviar comes from a legal source, it is important to identify the species that the specimen came from and if possible the population to which the specimen belonged. In other cases, such as tracking the prior movements of a laptop, trace evidence such as pollen samples can be used to identify the geographic regions where an object has previously been. Recent advances in DNA sequencing technology now provide the ability to rapidly generate large amounts of sequencing data at relatively low costs and has the potential to greatly advance the speed, accuracy, and accessibility of forensic sample identification.

The symposium will consist of three short lectures followed by Q & A sessions with attendees to discuss the current state of the field, as well as possible future applications and prospects.



CBTIR
CENTER FOR BORDERS, TRADE,
AND IMMIGRATION RESEARCH

The University of Texas at El Paso
500 W. University Avenue
El Paso, Texas 79968
(915) 747-5920

RSVP Information

WHO SHOULD ATTEND

This symposium is open to all stakeholders who are interested in the subject matter. It is highly recommended for those who handle crime and evidence material, decisions makers who deal with policy implications of advanced science, and trade & travel personnel.

DEADLINE TO RSVP: June 20th, 2016

WHEN: June 23, 2016

TIME: 9:00 AM – 1:00PM

WHERE: The University of Texas at El Paso
Blumberg Auditorium (UTEP Library)

Registration: To RSVP for this event please send an email to clhb@utep.edu with your name, agency name, and contact information. **Seating is limited so RSVP soon!**

For more information regarding this event please contact Victor M. Manjarrez, Jr. at (915) 747-7812 or vmmanjarrez@utep.edu. For information on professional and workforce development please contact Prof. Maria Burns at (713) 743-1194 or mburns@central.uh.edu.

The Center for Law and Human Behavior

The Center for Law and Human Behavior is a focal point at The University of Texas at El Paso for extramural research in the social and behavioral sciences. At the CLHB, faculty interested in pursuing funded research will find the expertise and support they need to help them refine their ideas, craft competitive proposals, and manage their grants once they are awarded. The CLHB also serves as a community of scholars and helps identify common interests and research themes among faculty and students for multidisciplinary research and inquiry.

The CLHB strives to develop relationships with government and non-profit stakeholders in areas such as criminal justice, behavioral health, substance abuse, and program evaluation to help improve the delivery of services to citizens in the Paso Del Norte region and beyond.

<http://clhb.utep.edu> or follow us @NCBSI

