



Symposium Agenda

DNA Barcoding High-Throughput DNA Sequencing Forensic Science: Recent Advances and Future Prospects

Time	Topic
9:00 – 9:05	Introduction <ul style="list-style-type: none">• Welcome - Victor M. Manjarrez, Jr. - UTEP
9:05 – 9:10	Logistics <ul style="list-style-type: none">• Restrooms, Coffee/Food Policy• Pre/Post requirements and Symposium Survey
9:10 – 9:20	Pre-symposium requirement
9:20 – 9:25	Introduction of the Presenters
9:25 – 9:30	Introduction to the Researchers (Dr. Jennifer Kovacs)
9:30 – 10:20	Section I – Introduction to DNA barcoding & its applications in forensics (Dr. Jennifer Kovacs) <ul style="list-style-type: none">• How DNA barcoding works & an overview of DNA sequencing technologies• What are some of the possible forensic applications of DNA barcoding• Q & A
10:20 – 10:35	Break
10:35 – 11:25	Section II – Pollen identification using DNA metabarcoding (Dr. Karen Bell) <ul style="list-style-type: none">• Testing the DNA metabarcoding method with “knowns”• Quantification• Whole genome shotgun approach• Removal of non-pollen material• Q & A
11:25 – 11:40	Break
11:40 – 12:40	Section III – Marine forensic DNA testing using high-throughput sequencing (Piper Schwenke, M.S.) <ul style="list-style-type: none">• How DNA barcoding is being used in fish and wildlife criminal investigations.• Assigning evidence to the most likely geographic origin• Considerations for presenting DNA barcoding results in court• Case studies• Q & A
12:40 – 1:00	Post-symposium requirement & exit survey

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