



# Workshop

**GEDNAP 2016**

**Anmeldung zum Workshop Freitag 19 Februar 2016  
Workshop Registration Friday February 19**

presented by Dr. Ulrike Schacker Galantos Genetics GmbH

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- Solutions in Forensics: Touch DNA; new STR kits, RSID- Body Fluid Identification by Dr. Karl Reich (IFI Independent Forensics USA)
- Crime Prep Adem-kit and DN-Adem-Kit for STR Profiling presented by Jérôme Jolly (Ademtech, France)

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## Solutions in Forensics

### **Touch DNA:**

DNA recovery from single fingerprints, adhesive evidence, shell casings, laser capture microdissection samples, and other evidence without body fluids. Efficient collection of biological material with minimal loss of DNA, introducing the first new DNA purification method in 20 years.

### **Partial DNA Profiles:**

Post PCR processing: CE signal boost up to 20X, works for all commercial STR kits including Y-STR kits.

### **STR kits:**

Lyophilized format, 1 year shelf life, room temperature shipping and storage; designed for single source samples only, 18+1 loci; very reasonable cost.

### **Body Fluid Identification:**

Updates - more sensitive semen test coming soon; faster extraction times for semen and saliva detection; new molecular biology based test for feces (human specific).

### **Assault Evidence:**

Updates – faster sperm detection, new microscope equipment & imaging options, quicker staining, increased signal to noise, cell sorting technology for sperm isolation (coming soon).

### **Crime Prep Adem-kit and DN-Adem-Kit for STR Profiling**

presented by Jérôme Jolly Ademtech France

### **About the presenters:**

Karl Reich received his undergraduate degree in Chemistry from Cornell University and worked as a chemist before obtaining his doctorate in Molecular Biology from UCLA [through a quirk, his graduate research was performed at Harvard Medical School]. Dr. Reich's postdoctoral training included research work at the Institute Pasteur, Paris France and at Stanford Medical School. He then spent five years in the Pharmaceutical Division of Abbott Laboratories working on a variety of DNA-based genomic projects. He is presently the Chief Scientific Officer at IFI where he oversees the laboratory and directs the research and development efforts of an ISO-17025 accredited forensic DNA laboratory.

Dr. Reich has more than 30 years of scientific experience in chemistry, molecular biology and biochemistry. He has published more than 20 research papers in first line scientific journals and has been court qualified in DNA, Biology and Statistics in numerous jurisdictions.

Jennifer Old received her undergraduate degree from Creighton University in Omaha, Nebraska and completed her graduate work in Pathology/Microbiology at the Eppley Cancer Institute at the University of Nebraska Medical Center. Jennifer completed a 3 year post-doctoral fellowship at St. Jude Children's Research Hospital in the lab of John Cleveland working on mouse tumor models. Presently, Dr. Old is a senior research and development scientist at Independent Forensics and was the primary researcher in the RSIDTM (Rapid Stain Identification) Series of Body Fluid Identification tests for the detection of body fluids at crime scenes and Sperm Hy-liter, the immunofluorescence based method for sperm identification. Jennifer Old has published 15 articles in journals and has over 15 years in laboratory experience in molecular biology, fluorescent microscopy, and biochemistry.

Dina Mattes has more than twenty years of experience in microscopy and image analysis. Her professional career includes significant time at McCrone Microscopes, before joining Independent Forensics. She is responsible for the SPERM HY-LITER microscope systems and has taught numerous workshops on an extensive array of optical techniques.