

IV Module

Miscellaneous Topics

Is a 1 week (Monday to Friday) academic summer programme to introduce participants on Forensic Chemistry, Document Examination and Crime Scene Documentation through the lectures of the Director of the Chemistry Police Laboratory of Palermo. Wildlife forensic (illegal trade and animal abuse) will be presented by **Richard Jäger**, Professor of Biology and Forensic Biology at the Hochschule Bonn-Rhein-Sieg, University of Applied Sciences - Bonn, (Germany).

IV – Module – Miscellaneous Topics					
24 – 28 August 2015					
Week VII					
Week 24 – 28	Mon. 24	Tues.25	Wed.26	Thu.27	Fri.28
9.00 – 10.30	Welcome & participant registration	Techniques for Collecting and Analysing Fingerprints ⁴	Forensic DNA analysis supporting wildlife conservation ⁸	The potential of whole genome amplification (WGA) in forensic analysis of low copy number ¹²	Open Seminars ¹⁵
10.45 – 13.15	Course presentations ¹	Forensic Document Examination: crime scene documentation ⁵	Methylation markers for the identification of body fluids and tissue from forensic evidence ⁹	Pet hairs as forensic evidence: DNA markers and their application in casework ¹³	
13.30 -14.30	<i>Lunch provided by CERISDI</i>				
14.30 -15.30	Uncommon casework ² : <i>Expert Report on Punic Sicilian amphorae of the 2nd/3rd century B.C.E.</i>	Uncommon casework ⁶ : <i>Fluorescence microscopy & forgery envelope for invitation to tender : a case report</i>	Proteomics & Forensic ¹⁰	New Technologies in Clinical Laboratory Science ¹⁴	Open Seminars ¹⁶
15.45 – 17.30	Overview of Forensic Chemistry: Police Laboratory's experience ³	Forensic Drug testing ⁷	Uncommon casework ¹¹ : Murder by asphyxia death & Margarina	TEST	
					Certificate Ceremony & Farewell Dinner

1 - Course presentations:
Elena Carra , Ph.D. - Department of Biological, Chemical and Pharmaceutical Sciences and Technologies STEBICEF - University of Palermo, Italy : Introduction on Encoded Evidence
Francesca Di Gaudio , Ph.D. - Department of Pathobiology and Medical Biotechnology - University of Palermo, Italy: Introduction Forensic Drug
Giulia Napoli - Director of Chemical Analysis Laboratory and Commodity, Department of the Minister of Interior, Scientific Police, Palermo, Italy: Overview of Forensic Chemistry and Police Laboratory's experience
Anna Maria Puglia - Department of Biological, Chemical and Pharmaceutical Sciences and Technologies STEBICEF - University of Palermo, Italy: Introduction on Microbial forensics

Courses/Module/ Speakers:
2, 6, 11 - Prof. Elena Carra , Ph.D. - Department of Biological, Chemical and Pharmaceutical Sciences and Technologies STEBICEF- University of Palermo, Italy
3, 4, 5, 15 - Giulia Napoli - Director of Chemical Analysis Laboratory and Commodity, Department of the Minister of Interior, Scientific Police, Palermo, Italy
7, 11, 15 - Prof. Francesca Di Gaudio , Ph.D. - Department of Pathobiology and Medical Biotechnology - University of Palermo, Italy
8, 11 - Prof. Richard Jäger , Ph.D. - Hochschule Bonn-Rhein-Sieg University of Applied Sciences - Bonn, Germany
9, 12 - Prof. Klaus Olek - Labor für Abstammungsbegutachtungen, Rheinbach , Germany
10 - Prof. Anna Maria Puglia - Department of Biological, Chemical and Pharmaceutical Sciences and Technologies STEBICEF - University of Palermo, Italy
11 - Prof. Emiliano Maresi , M.D. - Department of Sciences for the Promotion of Health G. D'Alessandro, University of Palermo
14, 16 - Agata Grillo - Health Director LABOGEN, via Dr. Consoli 68, Catania, Italy
16 - Prof. Claudio Gentile , Ph.D. - Retired from Department of Physics, Messina, Italy
16 - Biagio Manetto - Retired from Scientific Police Palermo, Ballistic and Firearms Interpretation Laboratory, Palermo, Italy

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24 – 28 August 2015
Week VII**

Monday 24 August

9.00 – 9.30	Registration
10.00 – 10.30	Opening addresses E. Carra (Palermo - I), F. Di Gaudio (Palermo - I), G. Napoli , Scientific Police (Palermo - I)
10.30 – 11.00	<i>Coffee Break</i>
11.00 – 11.30	Course Presentations: Introduction on Encoded Evidence : Uncommon casework E. Carra , (Palermo - I)
11.30 – 12.00	Introduction Forensic Drug F. Di Gaudio (Palermo - I)
12.00 – 12.30	Overview of Forensic Chemistry: Police Laboratory's experience G. Napoli , Scientific Police (Palermo - I)
12.30 – 13.00	Introduction on Microbial forensic: the next forensic challenge A. Puglia (Palermo - I)
13.30 – 14.30	<i>Lunch</i>
15.00 – 16.30	Uncommon casework: <i>Expert Report on Punic Sicilian amphorae of the 2nd/3rd century B.C.E.</i> E. Carra , (Palermo - I)
16.30 – 16.45	<i>Break</i>
16.45 – 17.30	Overview of Forensic Chemistry: Police Laboratory's experience G. Napoli , Scientific Police (Palermo - I)

Tuesday 25 August

9.00 – 10.30	Techniques for Collecting and Analyzing Fingerprints G. Napoli , Scientific Police (Palermo - I)
10.30 – 11.00	<i>Coffee Break</i>
10.11 – 13. 15	Forensic Document Examination: crime scene documentation G. Napoli , Scientific Police (Palermo - I)
13.30 – 14.30	<i>Lunch</i>
15.30 – 16.30	Uncommon casework: <i>Fluorescence microscopy & forgery envelope for invitation to tender : a case report</i> E. Carra (Palermo - I)
16.30 – 16.45	<i>Break</i>
16.45 – 17.30	Forensic Drug testing F. Di Gaudio (Palermo - I)

Wednesday 26 August

9.00 – 10.30	Forensic DNA analysis supporting wildlife conservation R. Jäger (Bonn - D)
10.30 – 11.00	<i>Coffee Break</i>
11.00 – 13.15	Methylation markers for the identification of body fluids and tissue from forensic evidence K. Olek (Bonn - D)

- 13.30 – 14.30 *Lunch*
- 15.00 – 16.00 Proteomics & Forensic
A. Puglia (Palermo - I)
- 16.00 – 16.15 *Break*
- 15.45 – 18.00 Uncommon casework:
Murder by asphyxia death & Margarina
E. Carra (Palermo - I), **F. Di Gaudio** (Palermo - I),
E. Maresi (Palermo - I)

Thursday 27 August

- 9.00 – 10.30 The potential of whole genome amplification (WGA) in forensic analysis of Low Copy Number
R. Jäger (Bonn - D)
- 10.30 – 11.00 *Coffee Break*
- 11.00 – 13.15 Pet hairs as forensic evidence: DNA markers and their application in casework
K. Olek (Bonn - D)
- 13.30 – 14.30 *Lunch*
- 15.00 – 16.00 New Technologies in Clinical Laboratory Science
A. Grillo (Catania - I)
- 16.00 – 16.15 *Break*
- 16.15 – 18.00 **TEST**

Friday 28 August

Open Seminars for Officers of the Italian Court and criminal justice professionals

- 9.00 – 10.30 *Free Topic & Discussion*
G. Napoli, Scientific Police (Palermo - I)
- 10.30 – 11.00 *Coffee Break*
- 11.00 – 13.00 *Free Topic & Discussion*
F. Di Gaudio (Palermo - I)
- 13.30 – 14.30 *Lunch*
- #### Open Seminars for Officers of the Italian Court and criminal justice professionals
- 15.30 – 16.00 *Free Topic & Discussion*
A. Grillo (Catania - I)
- 16.00 – 16.15 *Break*
- 16.15 – 17.45 Overview on Ballistic Crime Scene
B. Manetto (Palermo - I)
- 17.45 – 18.00 The search for GSR by SEM/EDX: state of the art
C. Gentile (Messina - I)
- 18.00 – 20.00 *Free time*
- 20.00 – 23.00 **Certificate Ceremony & Farewell Dinner**