

## Philippe Esperança

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### PROFESSIONAL EXPERIENCES

<b>Forensic Officer</b> <b>at the Forensic Analysis Laboratory (Marseille – France)</b> Forensic Expert of the French Supreme Court Forensic & BPA Expert of the court of appeal of Aix en Provence BPA & Blood Detection Expert of the International Criminal Court BPA Expert IAI certification (# 59) BPA Trainor IABPA accredited (Trainings of Spain Pol., Luxembourg Pol, Peru N <sup>al</sup> Forensic Lab, Poland N <sup>al</sup> Forensic Lab and French Switzerland Medical Examiner Institute) IABPA Vice president, in charge of Europe 50 expertise per year (annual average since 2014) 20 testimonies in front of French Criminal Courts (annual average since 2014)	Since June 2014
<b>Forensic Officer</b> <b>at Institut Génétique Nantes Atlantique (Nantes- France)</b> Forensic & BPA Expert of the court of Appeal of Rennes Creation of the BPA & Forensic Services BPA Trainer Define Quality Assurance Procedures, ISO 17020 Accreditation obtained in 2014 French representative at CEN / TC 419 (Forensic Sciences Services) 2012-2014	Sept. 2008 to May 2014
<b>Bloodstain Pattern Analyst</b> <b>at Institut de Recherche Criminelle de la Gendarmerie Nationale (Rosny sous-bois – France)</b> Creation of the BPA Service BPA Expert BPA Trainer Define Quality Assurance Procedures BPA & Blood Detection Trainer of the French Gendarmerie Crime Scene Investigators	Aug. 1999 to Aug. 2008
<b>Forensic Entomology Expert</b> <b>at Institut de Recherche Criminelle de la Gendarmerie Nationale (Rosny sous-bois – France)</b> Scientific consulting Creation of the For. Entomological Service 70 expertise for French judges) Trainor of the technicians of the service Entomological Trainor of the French Gendarmerie Crime Scene Investigators	Dec.1990 to Sept. 1994
<b>Researcher deputy at the Entomology Service</b> <b>at the Museum National d’Histoire Naturelle (Paris – France)</b> Collections Manager of the Silphidae (Coleoptera – Insects)	June 1990 à Feb. 1995

### TRAININGS

<b>Continuing Education</b> International meeting of the International Association of Identification (IAI) Scientific Working Group of Bloodstain Pattern Analysis (SWGSTAIN – FBI) European meeting of the International Association of Bloodstain Pattern Analysts (IABPA) International meeting of the International Association of Bloodstain Pattern Analysts	Since 2011 (annual) 2006 to 2011 Since 2006 Since 2003
<b>Education</b> Master II of Forensic Sciences (University Lyon I) Bachelor of Biology of organisms & Populations (University Paris VI) Level A of Mathematics & Physics	2002 1990 1987
<b>Spécific</b> Training to be Expert (Institut de Recherche Criminelle de la Gendarmerie Nationale, France) Higher technician certificate of Judicial Police Advanced BPA Training (Justice Staff College, Alberta – Canada) CSI Certification (Centre National de Formation à la Police Judiciaire) Basic BPA Training (Justice Staff College, Alberta – Canada)	2008 2002 2002 2000 2000

## ACTIONS DE FORMATION

<b>Centre national des arts et métiers – PARIS</b> Master 2 of Forensic Sciences (4h : Bloodstain Pattern Analysis)	Since 2015
<b>National School of Magistrates – PARIS</b> Interventions in the context of continuing education: Blood Crime, sexual crime (Future of Forensic Sciences) Justice & Forensic Medicine (The interest of Bloodstain Pattern Analysis) Change of functions: Prosecutor (The Crime Scene) Criminal proof and scientific progress (Bloodstain Pattern Analysis) The essentials of Forensic Thanatology (The blood on the Crime Scene)	Since 2014
<b>RENNES University</b> Master I and II of Criminology, Forensic Science and Forensic Medicine Organization of the Forensic Module (65 hours) 20h of lectures	2013-2016
<b>Nancy University</b> Master I et II of Forensic Science and Archeology Magistral and practical interventions of 4h (Master I) et 8h (Master II)	Since 2011

## SCIENTIFICS ASSOCIATIONS

<b>Scientific Rewiever</b> Journal of Forensic Identification	Since 2016
Journal of Forensic Identification	Since 2013
<b>Organization of Scientific Area Committees to Forensic Science (OSAC)</b> Member of Methods Validation Group	2014-2016
<b>European network of Forensic Science Institutes (ENFSI)</b> Mandate to create the group of European BPA	2013-2016
<b>Canadian Society of Forensic Science (CSFS)</b>	Since 2009
<b>International Association of Identification (IAI)</b> Member of BPA committee	Since 2009
<b>Scientific Working Group of Bloodstain Pattern Analysis (SWGSTAIN)</b> Member of Taxonomy & Terminology Committee Referent in taxonomy	(2006-2011)
<b>International Association of Bloodstain Pattern Analysts (IABPA)</b> Vice-President in charge of Europe (Région V) Chairman of the Terminology Translation committee Referent of French Spoken countries Accredited Trainer Scientific Coordinator of International congress of Lisbon (2010), Warsaw (2017)	Depuis 2000

## SCIENTIFICS WORKS

Director of Memory of the Criminalistics at Nancy I Study of the impact of construction standards on the calculation of trajectories	2014
Director of Master's thesis in Criminal Forensics Nancy I Study of the phenomenon of backs spatters	2013
Pilot of the research group (collaboration with IMAC University) Development of the eSCrime software	2005
Pilot of the research group (collaboration of Lyon I University and CHU Nantes) Development of Bluestar® (Latent Bloodstains Detector)	1999/2001

## SCIENTIFICS PAPERS

- RUBIO, Ph. ESPERANÇA, L. MARTRILLE : "Backspatter Simulation: Observation of the Phenomenon and Experimental Methodology Proposal"; Journal of Forensic Identification, 2014, (64), pp285-303
- Ph. ESPERANÇA : "The French BPA Terminology"; Canadian Society of Forensic Sciences Journal, 2009, 42(1), pp. 81-88
- L. BLUM, Ph. ESPERANÇA, S. ROCQUEFELTE : "A new high-performance reagent and procedure for latent bloodstains detection based on luminol chemiluminescence" ; Canadian Society of Forensic Sciences Journal, 2006, 39 (3), pp. 81-100.

## SCIENTIFICS PUBLICATIONS

<b>IABPA meetings</b>	2018, 2017, 2015, 2012, 2008 2007, 2006, 2005, 2004
<b>IAI meetings</b>	2014, 2013, 2011
<b>IAFSmeeting</b>	2001

