

## Curriculum Vitae

---

Andrea  
Data di Nascita  
Nazionalità

Andrea Mattevi  
14 Luglio 1965  
Italiana

### Training

Università (Ottobre 1984 – Luglio 1988):

Laurea in Scienze Biologiche all'Università di Pavia  
Titolo della tesi "Studi cristallografici sulla mioglobina di *Aplysia limacina*"  
Relatore: Prof. Martino Bolognesi.

Dottorato (Settembre 1988 – Novembre 1992)

Dipartimenti di Biofisica  
Università di Groningen, The Netherlands  
Titolo della tesi "Structure of the cubic core and of the E3 component of the pyruvate dehydrogenase multienzyme complex"  
Relatore: Prof. Dr. W.G.J. Hol

Post-doctoral EMBO-fellow (November 1992 – April 1993)

MRC Laboratory of Molecular Biology  
Gruppo di J.E. Walker and A.G.W. Leslie  
Cambridge, UK

### Esperienza Professionali

Ricercatore Universitario (Aprile 1993 - Dicembre 2000)  
Dipartimento di Genetica e Microbiologia,  
Università di Pavia

Posizione attuale

Professore ordinario di Biologia Molecolare  
Dipartimento di Genetica e Microbiologia,  
Università di Pavia

### Altre attività professionali

1992-1993	EMBO Long-term fellowship
2005-2009	ESRF review Committee for life sciences
1998-presente	EMBL staff scientist panels
2003-presente	SLS review Committee for life sciences
2002 & 2004	Editor, Section on Catalysis and Regulation of Current Opinion in Structural Biology
2008-presente	Advisory committee of Protein Data Bank at the European Bioinformatic Institute
1994-presente	<i>Ad hoc</i> reviewer per varie riviste internazionali tra cui EMBO J, EMBO Reports, Science, Nature Structural Biology, Nature Chemical Biology, Biochemistry, Journal of Biological Chemistry, Proceedings of the National Academy of Sciences USA, Journal of Medicinal Chemistry, American Journal of Human Genetics, FEBS

letters, FEBS journal, Journal of Molecular Biology, Structure, Molecular Cell, Plant Cell, Journal of the American Chemical Society, Circulation, Oncogene, Circulation.  
2006-presente Valutatore per la "Faculty of 1000"

### Premi

2002-2004 EMBO Young Investigator  
2005 "Premio Borgia" da parte dell'Accademia dei Lincei, Roma  
2008 Eletto Socio dell'Istituto Lombardo, Accademia di Scienze e Lettere

### Seminari e Relazioni a Congressi Recenti

- "The structure of human monoamine oxidase B", at the "14<sup>th</sup> International Symposium on Flavins and Flavoproteins", Cambridge 14-18 July 2002  
- "Structure of human monoamine oxidase B, a neurological drug-target", at the "XIX Congress of the International Union of Crystallography", Geneva 6-15 August 2002  
- "Structural Biology", at "Molecole e malattie", Accademia Nazionale Dei Lincei - Rome, 20-22 February 2003  
- "Dissecting the structure of monoamine oxidase, a target in the treatment of neurological disorders", EMBL Heidelberg, 26 March 2003  
- "Dissecting the structure of monoamine oxidase, a target in the treatment of neurological disorders", at the "9<sup>th</sup> Bijvoet Tutorial Symposium", Utrecht, 27-27 March 2003  
- "Structural studies on membrane-bound human monoamine oxidase", at the "European Workshop on Crystallography of Biological Macromolecules", Como, 12-15 May 2003  
- "Dissecting the three-dimensional structure of human monoamine oxidase B", Emory University, Atlanta, 31 July 2003  
- "Dissecting the three-dimensional structure of human monoamine oxidase B", Pfizer Research Institute, Groton (CT), 5 August 2003  
- "From structure to enzyme function" at "EMBO YIP PhD Course 2003", EMBL Heidelberg, 3-9 September 2003  
- "Structure of human outer-mitochondrial monoamine oxidase B at 1.7 Å resolution" at "5<sup>o</sup> Congresso FISV, Rimini 10-13 September 2003.  
- "Structural studies on monoamine oxidases", University of Freiburg, 28 November 2003.  
- "Dissecting the structure of monoamine oxidase, a target in the treatment of neurological disorders", at ESRF Grenoble, 18 December 2003  
- "Enzymes acting on biogenic amines", EMBL-Hamburg, 22 April 2004  
- "Enzymes acting on biogenic amines", IRBM-Rome, 19 May 2004  
- "Membrane and drug binding of human monoamine oxidases", at "Structural biology workshop", ETH Zurich, 15-16 June 2004  
- "Monoamine Oxidases", Virginia Tech, Blacksburg USA, 15 July 2004.  
- "Structural studies on human monoamine oxidases", at "Amine oxidases: function and dysfunction", University of St Andrews, Scotland 25-29 July 2004  
- "Structural studies on human monoamine oxidases" at "22nd European Crystallographic Meeting", Budapest, Hungary, 26-31 August 2004  
- "Structural studies on human monoamine oxidases" at "From Structural Genomics to Drug Discovery", University of Parma, September 27-28, 2004.  
- "Medicinal Chemistry of monoamine oxidases" at Biotechnology Center, University of Madrid, November 30, 2004.  
- "Structure of the Human Outer-Mitochondrial Membrane Monoamine Oxidase B: New Chemical Implications" at "7<sup>th</sup> International Conference AD/PD 2005", Sorrento Italy, March 9-12 2005

- "Structural studies on human monoamine oxidases" at "15<sup>th</sup> International Symposium on Flavins and Flavoproteins", Yokohama (Japan), April 17-22 2005
- "Amine oxidase, from neurotransmitter metabolism to chromatin remodelling", University of Padova Italy, 1 June 2005
- "Amine oxidase, from neurotransmitter metabolism to chromatin remodelling", 18 National Meeting of PhD students in Biochemistry and related disciplines, Brallo (Italy) 7-10 June 2005.
- "Amine oxidases, from neurotransmitter metabolism to chromatin remodelling", 12 July 2005. Wake Forest University, Winston-Salem, North Carolina (USA).
- "Amine oxidases, from neurotransmitter metabolism to chromatin remodelling", 15 July 2005. Dept. Biochemistry, University of Toronto (Canada).
- "Amine oxidases, from neurotransmitter metabolism to chromatin remodelling", 23 September 2005. Dept. Biochemistry, University of Uppsala (Sweden).
- "Amine oxidases, from neurotransmitter metabolism to chromatin remodelling", Annual Meeting of the Italian Society for Biochemistry, Riccione (Italy) 28-30 September 2005.
- "Amine oxidases, from neurotransmitter metabolism to chromatin remodelling", Annual Meeting of the Dutch Society for Biochemistry (Protein Group), Lunteren (NL) 10-12 December 2005.
- "Amine oxidases, from neurotransmitter metabolism to chromatin remodelling", 13 December 2005. Dept. of Chemistry, University of Leipzig (Germany).
- "Biologia strutturale, enzimi e farmaci", 23 February, Accademia dei Lincei, Rome (Italy)"
- "Amine oxidases, from neurotransmitter metabolism to chromatin remodelling", 9 March 2006. Max Planck Institute Frankfurt (Germany)
- "Amine oxidases, from neurotransmitter metabolism to chromatin remodelling", 2 June 2006. Meeting "Proteine2006", Novara (Italy) - "Amine oxidases, from neurotransmitter metabolism to chromatin remodelling", 14 July 2006. Dept. of Biochemistry Michigan University, Milwaukee (USA)
- "Oxygen reactivity in flavoenzymes: oxidases vs monooxygenases", 15-21 July 2006 Gordon Conference on Enzymes, Coenzymes and Metabolic Pathways
- "Oxygen reactivity in flavoenzymes: oxidases vs monooxygenases", 6 October 2006 Meeting in honour of Prof. B. Curti, University of Milano (Italy).
- "Biomedically relevant flavin-dependent oxidases", 28 January 2007. Dept. of Biochemistry, Emory University, Atlanta (USA).
- "Amine Oxidases: From Neurotransmitter Metabolism to Chromatin Remodelling", 24 March 2007, ZMBH, University of Heidelberg (Germany).
- "Amine Oxidases: From Neurotransmitter Metabolism to Chromatin Remodelling", 30 May 2007, MRC Unit, Cambridge (UK).
- "Amine Oxidases: From Neurotransmitter Metabolism to Chromatin Remodelling", 7 May 2008, Mahidol University, Bangkok (Thailand).
- "Lysine-specific histone demethylase (LSD1): oxidative chemistry for chromatin remodelling", SIBBM Meeting, 16 May 2008, Milano (Italy)
- "The problem of oxygen reactivity in flavoenzymes", 16<sup>th</sup> Symposium on Flavins and Flavoproteins, 8-13 May 2008, Jaca (Spain)
- "The problem of oxygen reactivity in flavoenzymes", Dept. of Biochemistry, Georgia State University, Atlanta (USA), 22 July 2008
- "Monoamine Oxidases and LSD1: similar chemistry for neurotransmitter metabolism and chromatin remodelling" XXI Congress of the International Union of Crystallography" Osaka (Japan) 23-31 August 2008
- "The biotechnological potential of structural biology" 1<sup>st</sup> Joint AIC-SIMP meeting, Sestri Levante (Italy) 7-12 September 2008

- “Monoamine oxidases and LSD1: Similar chemistry for neurotransmitter metabolism and chromatin remodeling”, Ann Arbor – Michigan University (USA), 24 October 2008
  - “Investigating the oxygen reactivity of flavoenzymes”, 2<sup>nd</sup> International Interdisciplinary Conference on Vitamins, Coenzymes, and Biofactors, Athens (USA), 26-31 October 2008
  - “Monoamine oxidases and LSD1: Similar chemistry for neurotransmitter metabolism and chromatin remodeling”, University of Groningen (NL), 19 December 2008
  - “Monoamine oxidases and LSD1: Similar chemistry for neurotransmitter metabolism and chromatin remodeling”, University “La Sapienza” of Rome (I), 13 March 2009
  - “Monoamine oxidases and LSD1: Similar chemistry for neurotransmitter metabolism and chromatin remodeling”, Karolinska Institute Stockholm, (Sweden), 24 September 2009
  - “Una reazione chimica al servizio di processi biologici diversi”, Istituto Lombardo, Accademia di Scienze e di Lettere Milano, 8 Ottobre 2009
-