

Curriculum vitae

Name:

Annalisa Pastore

Nationality:

Italian

Address:

The Wohl Institute
King's College London
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Expertise:

Structural biology, Biophysical techniques, NMR structure determination of proteins, Molecular Biology and Biochemistry, Structural and functional genomics, Bioinformatics and Computational methods.

Main interests:

Understanding the molecular bases of iron-sulfur cluster biogenesis

Structures solved:

54 pdb entries (35 independent structures)

ORCID identification:

0000-0002-3047-654X

Scopus identifier:

Author ID: 7101941822

Bibliometric data:

Total Number of Citations 13280, h index 67, i10-index 200 according to Google Scholar
Citations since 2012, h index 36, Number of citation 4845, i10-index 121

Education

1983 - 1986

PhD in Chemistry (Dottorato di Ricerca) Laboratory of Spectroscopy, University of Naples, Italy.

May 1981

Master with honour, 110/110 cum laude. (Laurea in Chemistry), University of Naples, Italy.

1975 - 1981

Studies in Chemistry, University of Naples, Italy.

Employment

Oct2018-present

Full professor Scuola Normale di Pisa

2015-2018

Full Professor, University Pavia (part-time)

2013-2018

Full Professor, King's College London (part-time)

1997 – 2013

Team Leader, MRC NIMR, Mill Hill, London

1991 – 1997

Group leader at EMBL Heidelberg, Germany, in the Structures Program'

1988 – 1991

Staff scientist position at EMBL Heidelberg, Germany, in the Biocomputing Program.

1986 – 1987

Postdoctoral fellow at the Department of Biochemistry, University of Oxford, UK

Honours

Oct 2013

Elected Member of the Academia Europaea

Oct 2003

Honorary professor of London University

Oct 2001

Elected EMBO Member

Awards and fellowships

June 2017	Included in the list of the “Top Italian Women Scientists-TIWS” by the Osservatorio Salute Donna Onda
Apr 2015	August Wilhelm Scheer Visiting Professor and Honorary Fellow at the Technical University of Munich (TUM-IAS)
May 2015	Selected (‘ternata’) in an Italian National competition for a position of Director of the CNR IBIM in Palermo (suspended position because of a pending appeal)
Mar 2009-Feb 2012	Honorary Visiting Scientist (part-time) at INRA, Jouy-en-Josas, France supported by a Grant from the French Government (4 years).
Oct 2011	Invited visiting scientist at University of Baleari Islands (Mallorca)
Oct 2010	Invited visiting scientist at EPFL, in Lausanne.
Jul 2010	Invited visiting scientist to University of Baleari Islands (Palma de Mallorca)
Dec 2007	Selected (‘ternata’) in an Italian National competition for a position of Director of the CNR Institute of Biochemistry in Naples (the Italian equivalent of a Max Planck Director)
Jun 2006	Winner of an ICREA competition in Catalunya (only 15% of the International applicants were selected).
Mar 2004-May 2004	Visiting scientist at MPI in Dortmund
Oct 2003 – Sep 2005	Visiting Professor (‘Ritorno dei cervelli’ scheme) at SISSA, Trieste, Italy
Mar 2002-May2002	Visiting scientist at EMBL
Sep 2000 – Feb 2001	Visiting Professor (Poste Rouge) at the University of Strasbourg, France
Jan 1997 – Sep 1997	Visiting Professor (Poste Rouge) at the University of Rouen, France
Oct 1984 – Jul 1985	Italian/Swiss exchange grant to work in the Nobel Laureate Prof. R.R. Ernst’s group in the Physical Chemistry Dept. of ETH, Zurich, Switzerland
Jun 1982 – Jul 1983	NIH grant in Prof. W.A. Gibbons’ group, at the Department of Biochemistry, Wisconsin University, USA

Other recognitions

- Panel member for the European Research Council (2016-2017)
- Panel member of the Scientific Advisory Board of University Autònoma de Catalunya (2016-present)
- Panel member of the grant selection committee for the French Ministry of Research and Education ANR (2016-2017)
- Panel member of the grant selection committee for the German DFG Funding Agency (2016)
- Panel member of the grant selection committee for the Swedish Ministry of Research and Education (2014 and 2015)
- Chairperson in the evaluation of the Life Sciences panel for the Research Projects of National Interest (PRIN) grants for the Italian Ministry of University and Research (MIUR) (2012-2013)
- Included in AcademiaNet, a database of outstanding Women Scientists which can be accessed only upon nomination of an Institution. Nominated by EMBO (2013).
- Reviewer of European Research Council grants
- Member of an International panel for the assessment of University of Zurich (January 2013)

- International Member (OCSE) of a panel for the Habilitation process (Molecular Biology sector) organized by the Italian Ministry (2013-2014)
- Panel member of DFG assessments of applications for high field (1.2 GHz) NMR spectrometers in Germany (August 2012, February 2013 and February 2014).
- Panel member of the Scientific Advisory Board of Biotechnology Institute in Helsinki, Finland (2011-present)
- Member of the Scientific Advisory board of CERIC (C-European Research Infrastructure Consortium) (2011 - present)
- Co-chairperson in the annual grant evaluation for the Portuguese Science Ministry (July 2009, 2010)
- Panel member of the Roadmap Working Group of Experts for Biological and Medical Sciences (Systems Biology sub-group) (EU grants) (January 2008)
- Panel member in a quinquennial evaluation of the Forth, Eraklion and Fleming Institutes, Athens (Greece) (September 2007), in the Institute for Molecular Medicine in Munich (Germany) (January 2005) and at the University of Ivry (France) (March 2006)
- Chairperson of the CCPN committee (2004-2007)
- Reviewer for the evaluation of National Grants in Italy (MURST, MIUR, PRIN), Belgium, France (Pasteur Institute, BLANC), UK (Wellcome, MRC, BBSRC), Swiss National Science Foundation, Israel, Portugal, Spain (ICREA) and Russia.
- Chief Editor of the Open Systems Biology Journal (2006-2010)
- Chief Editor of Frontiers in Biosciences (EPFL) (2013-onwards)
- Editorial board member of J. Biol. Chem., J. of Biol. Inorg. Chem., BBA: Proteins and Proteomics, PlosOne, Medicinal Chemistry, Prion, ScienceJet, PeerJ, The Open Biochemistry Journal and The Open Spectroscopy Journal

Patents and other translational work:

Non-anaphylactic forms of grass pollen Ph1 p6 allergen and their use. (00975093.6-2405-SE0002062)

Solved the structure of a domain of a Meningitis protein which is part of the Novartis vaccine for Meningitis B

Record of Present Funding

Ongoing Research Support

2018 - 2021 BBSRC Understanding the role of iron sulfur cluster biogenesis in neurodegeneration £465,000

2017- 2021 ARUK Research Grant from the Dementia Research Initiative £1,460,000

2017 - 2019 Blue sky grant at University of Pavia 60,000 euros

2015-2018 Motor Neuron Disorder Association (MND) Understanding the aggregation properties of TDP43 £221,595

2015-2018 BBSRC Grant The molecular bases of stretch activation in muscle £245,000

Recently terminated grants

2014- 2017 MRC Research Grant Understanding the mechanisms of neurodegeneration £1,074,682

2014- 2017 Diabetes UK The role of glycation on peptide aggregation £148,564

2015-2017 Royal Society Newton fellowship

2014- 2017 EU FP7 grant. The NGF system and its interplay with endocannabinoid signalling, from peripheral sensory terminals to the brain: new targets for the development of next generation drugs for neuropathic pain (Paincage) £267,290

Past grants and Fellowships

2012- 2014	Royal Society Newton	£130,000
2011	Small grant from Diabetes UK	£ 15,000
2011 – 2013	Grant from NIH	£ 100,000
2010 – 2013	EU grant (EFACTS)	£ 150,000
2009 – 2010	Royal Society	£ 12,000
2007 – 2009	Alzheimer UK	£ 160,000
2008 – 2009	Ataxia UK	£ 20,000
2006 – 2007	British Council	£ 1,000
2006 – 2007	British Council	£ 1,000
2005 – 2007	Friedreich ataxia Foundation	\$160,000
2005 – 2006	British Council	£ 1,500
2004 – 2008	Network of Excellence	£ 30,000
2005 – 2006	Royal Society Grant	£ 12,000
2004 – 2005	Royal Society Grant	£ 12,000
2001 - 2004	Human Frontier Grant	£ 121,800
2001 - 2004	EEC grant (QLRT-200001663).	£ 151,137
1999 - 2001	Human Frontier Grant	£ 131,880
1996 - 1999	EEC grant (PL960096)	£ 117,385
1996 - 1999	EEC grant (PL960662)	£ 80,000
1992 - 1995	Human Frontier Grant	£ 140,000

Organizer or Co-organizer of conferences and workshops

24 Apr – 26 Apr 2013	EMBO workshop on Glycoproteins: from structure to disease, Palma de Mallorca
19 Apr 2013	Iron-sulfur cluster discussion group meeting, London
10 Jun – 14 Jun 2012	EPFL/ETH workshop: Molecular Crowding, Ascona.
13 Apr 2012	Workshop: Discussion group on Iron-Sulfur cluster proteins, London
22 Jun – 24 Jun 2011	KAUST Workshop : Quantitative Biology: a matter of perspective. Rome
27 Oct – 29 Oct 2011	3rd International CCPN meeting: NMR and Molecular interaction, Lisbon
27 Oct – 29 Oct 2010	2nd International CCPN meeting: NMR and Molecular interaction, Berlin
4 May – 5 May 2010	Isc/Frataxin Joint Meetings: Iron-sulfur cluster proteins/ Understanding the function of Frataxin
14 Dec – 16 Dec 2009	Elettra Workshop Intrinsically unstable proteins: chance or necessity? Trieste
25 Sep 2009	Workshop Sweet and Sour Science. Palermo
27 Oct – 29 Oct 2008	1st International CCPN meeting: NMR and Molecular interaction, Berlin
31 Jul – 2 Aug 2007	7th CCPN meeting NMR and Molecular interaction, Ambleside
19 Aug -21 Aug 2006	6th CCPN meeting: NMR and Molecular interaction, Ambleside
19 Aug -21 Aug 2005	5th CCPN meeting: NMR and Molecular interaction, Ambleside
26 Nov - 28 Nov 2004	EMBL alumni meeting: First EMBL Alumni meeting, Heidelberg
3 Oct – 7 Oct 2001	EMBO workshop: NMR and Molecular Recognition. Ravello

24 Sept -28 Sep 1994

EMBO workshop: Extracellular Modular Proteins.
Margreterorp

18 Oct 1993

EMBL workshop: NMR in Biology. Heidelberg,
Germany

Academic qualifications and recognitions:

May 2000-2004

'Qualification' for teaching in French Universities.

Sep 2002

Guest of Honour ('Marraine de Promo') at the end-of- the-
course Ceremony of the University of Strasbourg ESBS (at
the end of a 3 years undergraduate course, the students
invite the person who meant most for their formation)

May 2003-2013

Honorary Professor at University College London, UK

May 2005-2009

'Qualification' for teaching in French Universities.

May 2013

My CV was recognized as the equivalent of an habilitation
in Molecular Biology and Biochemistry in Italy

October 2013-present

Full professor at King's College London

Teaching experience

2015-present

Course of Immunology at University of Pavia

2013-present

Lecturer in a Module of Neurodegeneration at King's

2012-2017

Invited lecturer at Scuola Normale di Pisa in
Bioinformatics and Structural Biology

May 2013

Invited lecturer at EPFL (Lausanne) (undergraduate and
postgraduate course)

March 2011

Invited lecturer at Paris VI (undergraduate course)

Oct 2010

Invited lecturer at EPFL (Lausanne) (undergraduate
course)

Feb 2007-2012

Invited lecturer at King's College (London) (undergraduate
course)

May 2006

Invited lecturer for the MD course at University of Naples
(Italy)

July 2004

Invited lecturer for an undergraduate course at University
of Pisa (Pisa, Italy).

May 2003

Invited lecturer in the School on Proteomics organized by
the International Center for Theoretical Physics (ICTP,
Trieste, Italy).

Dec 2002

Invited lecturer on Proteomics at the International School
for Advanced Studies (SISSA, Trieste, Italy).

Jun 2002

Invited lecturer in the Italian PhD course at the University
of Naples, Italy.

Oct 2000 – Feb 2001

undergraduate course on Structural Biology (1st year
students) at the ESBS, Strasbourg (France).

Oct 2000 – Feb 2001

undergraduate course on Bioinformatics (1st year
students) at the ESBS, Strasbourg (France).

Feb 2000

Invited lecturer in the Igle School, Austria.

Jun 1998

Invited lecturer for an undergraduate course at the
University of Umea, Sweden.

Jul 1997

Invited lecturer for a course at the International School for
Computational Methods organized by the University of the
Basque Countries, San Feliu, Spain.

Oct-1995	Invited lecturer at the Italian PhD course at the University of Genoa, Italy.
1992-1997	Lectures and practicals in the EMBL Predoc Program
July-1990	Invited lecturer in the Structure Workshop organized by the University of Siena (Pontignano, Siena, Italy).
July-1989	Invited lecturer in the Structure Workshop organized by the University of Siena (Pontignano, Siena, Italy).

Supervisor of PhD students

2013 – current	Rita Puglisi (King's College)
2007 – 2010	Giovanna Avella (Open University)
2007 – 2010	Filippo Prischi (University of Siena)
2006 – 2009	Valeria Musi (University of Padova)
2005 – 2008	Chiara Pastore (University Normale di Pisa)
2004 - 2007	Gian Felice deNicola (Open University)
2000 - 2004	Junghan Au (University College London)
1997 - 1998	Simona De Marino (University of Naples)
1995 - 1998	Luca Vangelista (EMBL)
1994 - 1997	Sabina Improta (EMBL)
1994 - 1997	Giovanna Musco (EMBL)
1993 - 1996	Bernard Kolmerer (EMBL)
1993 - 1996	Claudia Muhle-Goll (EMBL)
1992 - 1995	Mark Pfuhl (EMBL)

External examiner in the following PhD vivas

February 2018	– Saba Saqlain, Brunel University, London, UK
March 2017	– Terenzio Ferrante, University of Turin, Italy
March 2013	– Greta Bonetto, University of Padova, Padova, Italy
March 2013	– Vahid Ezzatizadeh, Brunel University, London, UK
Feb 2012	– Gabriele Giachin, Sissa, Trieste, Italy
Nov 2011	– Clare Pashley, Leeds University, Leeds, UK
Nov 2011	– David Swainsbur, University of Newcastle, Newcastle, UK
Nov 2011	– Vaclav Stemberk, York University, York, UK
Aug 2011	– Stefano Pernigo, King's College, London, UK
July 2011	– Nesrin Chakroun, King's College, London, UK
Sep 2008	– Stefan Leidgens, University of Louvain la Neuve, Louvain, Belgium
May 2007	– Domenico Sanfelice, King's College, London, UK
Dec 2004	– Paul Backe, University of Oslo, Oslo, Norway
Nov 2003	– Anna Ramazzotti, University of Louvain, Louvain, Belgium
Sep 2003	– Jane Callaghan, University of Cambridge, Cambridge, UK
May 2003	– Yves Nomine', University of Strasbourg, Strasbourg, France
Feb 2000	– John Smith, University of Oxford, Oxford, UK
Sep 1994	– Federico Fogolari, SISSA, Trieste, Italy
May 1993	– Francois Bomtemps, Ecole Polytechnique, Paris, France

References may be asked to:

Chris Dobson (FRS), University of Cambridge, St. John's College, Cambridge (Uk)
cmd44@cam.ac.uk
Brian Sykes (FRS), University of Alberta, Alberta (Canada) brian.sykes@ualberta.ca
Michael Sattler, TUM, Munich (Germany) michael.sattler@tum.de