

Laure SAINT-RAYMOND

Born on August 4th, 1975

Married, mother of 6 children (born in 1999, 2001, 2003, 2005, 2006, 2009)

Full Professor, University Paris VI Pierre et Marie Curie (Laboratoire Jacques-Louis Lions, UMR 7598) and Ecole Normale Supérieure (Département de Mathématiques et Applications, UMR)

Educational background

- Former student of the Ecole Normale Supérieure de Paris (1994-1998)
- Master of Applied Mathematics, University Paris VI (1996)
- Master of Plasma Physics, University Versailles Saint-Quentin (1996)
- PhD in Applied Mathematics, University Paris VII (2000)
- Accreditation to supervise research, University Paris VII (2002)

Professional experience

- Teaching assistant (Agrégée préparatrice), Ecole Normale Supérieure de Paris, Département de Mathématiques et Applications (1999-2000)
- Research Scientist, Centre National de la Recherche Scientifique, Laboratoire Jacques-Louis Lions, University Paris VI (2000-2002)
- Full Professor, University Paris VI Pierre et Marie Curie, Laboratoire Jacques-Louis Lions (2002-2007).
- Full Professor, Département de Mathématiques et Applications, Ecole Normale Supérieure (since September 2007).
 - Head of the team « Analysis» (2007-2009)
 - Director of Studies (2007-2011)
 - Deputy director of the Department of Mathematics (2011-2014)
- Visiting Professor, Harvard University & Massachusetts Institute of Technology, Center of Mathematical Sciences (2014-2015)

Academic Awards and Honors

- Louis Armand Prize, *French Academy of Sciences* (2003).
- Claude-Antoine Peccot Award, *Collège de France* (2004).
- Pius XI Gold Medal, *Pontificia Academia Scientiarum* (2004).
- "Analysis of Partial Differential Equations" Prize with François Golse, *Society for Industrial and Applied Mathematics* (2006).
- Prize for Young Scientist with Isabelle Gallagher, *Ville de Paris* (2006).
- EMS Prize, *European Mathematical Society* (2008)
- Ruth Lyttle Satter Prize, *American Mathematical Society* (2009).
- Lecture "Un texte, un mathematician", *Bibliothèque Nationale de France* (2010)
- Invitation to the Abel Symposium, *Norwegian Mathematical Society* (2010).
- Prize of "Annales de l'Institut Henri Poincaré C : analyse non linéaire" (2011).
- Irène Joliot-Curie Prize, *French ministry of Research and Education & French Academy of Sciences* (2011).
- Elected to the French Academy of Sciences (2013).
- Invitation to the International Congress of Mathematicians, Seoul (2014).
- Plenary lecture at the International Congress of Mathematical Physics, Chili (2015)
- Fermat Prize (2015)
- Elected to the European Academy (2015).

Some scientific duties

- PhD advisor of Delphine Salort (2002-2005 – codirection with J.-Y. Chemin), Thibaut Allemand (2007-2010), Daniel Han Kwan (2008-2011), Nathalie Ayi (2013-, codirection with F. Berthelin)
- Member of editorial boards of « Kinetic and Related Models » (2007-), « Archive for Rational Mechanics and Analysis » (2009-), « Bulletin et Mémoires de la Société Mathématique de France » (2010-2014), « Mathematische Zeitschrift » (2014-), « Journal of the European Mathematical Society » (2014-), « Annals of PDEs » (2015-)
- Member of the French National Council of Universities, section 26 (2011-2014)
- Member of the Committee « Etats de la Recherche » of the French Mathematical Society (2010-2014)
- Member of hiring committees in France (Rouen, Dauphine, Lille, Nice, Bordeaux,...) and abroad (Oxford, Swedish Research Council)
- Member of scientific committees for international conferences (Hyp2012, Hyp2014, ICERM 2011, IPAM 2008,...), and for research networks (GDR EDP, projet “instabilités hydrodynamiques”,...)

Popularization activities

- Lecture in the cycle “Un texte, un mathematician”, *Bibliothèque Nationale de France* (2010), then in Nancy (2011), Rouen (2012) and Rennes (2013)
- Round table “Raconte-moi un chercheur”, *Palais de la découverte* (2011).
- Series of lectures in the international summer school for young mathematicians “ISSMYS”, *ENS Lyon* (2012).
- Popularization lecture for the fiftieth birthday of the *INSA Toulouse* (2013).
- Lecture in the cycle “Une question, un chercheur”, *Institut Henri Poincaré* (2013)
- Lecture « Sciences à Cœur », *Université Pierre et Marie Curie* (2013)
- Conferences in high schools : Issy, Nantes (2013), La Rochelle, Saint-Cloud, Strasbourg (2014).
- Lecture in the cycle “Mathematic Park”, *Institut Henri Poincaré* (2014) and Bobigny (2015).
- Lecture in the cycle "Une invention, des mathématiques", CNAM (2016).
- Plenary lecture for the national conference "Maths en Jeans", Toulouse (2016).
- Articles for a broad audience of scientists: Matapli (2004), Image des mathématiques (2006), Leçons de mathématiques d’aujourd’hui (2011), Publications de l’INSMI (2012)
- Articles for a non scientific public : Pour la Science (2004, 2011), Tangente (2010)

Organization of conferences

- Organization of an interdisciplinary program in the Institut Henri Poincaré : "Singularities in Mechanics : formation, propagation and microscopic description" (2008)
- Organization of a workshop in the Ecole Normale Supérieure : « Mathematics and Oceanography » (2009)
- Organization of a session of the summer school "Asymptotic Nonlinear Dynamics in PDE" in the Institut des Hautes Etudes Scientifiques (2010)