

Curriculum vitae d'André Estevez-Torres

PERSONAL INFORMATION

Family name, First name: Estevez-Torres, André
ORCID identifier: [0000-0002-5040-1369](https://orcid.org/0000-0002-5040-1369)
Date of birth: 11/11/1980
Nationality: Spanish
Web site: <http://www.labos.upmc.fr/ljp/?people42>
Profession: Directeur de recherches au CNRS et à Sorbonne Université, Paris, France

RESEARCH POSITIONS

2020–present *Directeur de recherches and Group leader at Lab. Jean Perrin, CNRS and Sorbonne Université, Paris, France*
2015–2020 *Chargé de recherches and Group leader at Lab. Jean Perrin, CNRS and Sorbonne Université, Paris, France*
2010–2015 *Chargé de recherches at Lab. for photonics and nanostructures, CNRS, Marcoussis, France*
2008–2010 *Post-doctoral fellow at Dept. of Physics, Princeton University, USA. Advisor: R. H. Austin*
2007–2008 *Post-doctoral fellow at Dept. of Physics, Kyoto University, Japan. Advisor: K. Yoshikawa*
2003–2007 *Grad. student at Dept. of Chemistry, Ecole normale supérieure, France. Advisor: L. Jullien*

EDUCATION

2018 *Habilitation à diriger des recherches, Sorbonne Université, Paris, France*
2007 PhD in Physical and Analytical Chemistry, Université Pierre et Marie Curie (UPMC), Paris, France
2003 Masters in Physical Chemistry, UPMC, Paris, France.
2000-2002 Double degree in Chemistry and Physics, UPMC and Ecole normale supérieure, France

PRODUCTION SCIENTIFIQUE

- 3 articles en révision.
- 26 publications dans des journaux à comité de lecture, > 700 citations. [Liste complète sur ORCID.](#)
- 3 chapitres de livre.
- 13 conférences invitées dans des congrès, > 40 séminaires invités.

SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

2020–present	G. Sarfati, <i>PhD student</i> in 2nd year
2019–present	Y. Vyborna, <i>post-doc</i>
2017–present	M. Van Der Hofstadt Serrano, <i>post-doc</i>
2016–2020	A. Senoussi, <i>PhD student</i> , now postdoc et ESPCI
2018–2019	S. Kashida, <i>post-doc</i> , now junior professor at Kyoto University
2017–2019	G. Urtel, <i>post-doc</i> , now at postdoc at Center for iPS Cell Research and Application (CiRA), Kyoto, Japan.
2013–2016	A. Zambrano, <i>PhD student</i> , now postdoc at MPI Dresden, Germany. Direction de thèse avec dérogation d'HDR.
2013–2016	J. Lee Tin Wah, <i>post-doc</i> , now at the start-up BlackHole Lab, Paris, France
2013–2016	A. Zadorin, <i>post-doc</i> , now postdoc at MPI Leipzig, Germany

TEACHING ACTIVITIES

2019–2021	6h/year in Chemistry, Nanotechnology and environmental transition at Ecole normale supérieure and Ecole Nationale de techniques avancées, France.
2019–2020	20h/year in Chemistry at Ecole normale supérieure, France.
2016–2019	60h/year in Chemistry, Nanotechnology and Physics at Ecole normale supérieure, Ecole Nationale de techniques avancées and Sorbonne Université, France.
2010–2016	30h/year in Chemistry and Nanotechnology at Ecole normale supérieure and Ecole Nationale de techniques avancées, France.

ORGANISATION OF SCIENTIFIC MEETINGS

Jun. 2021	Journées Fin du monde fin du mois. Convergences et divergences dans les mouvements sociaux et écologistes, Sorbonne Université, Paris France (co-organizer).
Sept. 2018	International INSERM workshop on 'DNA/RNA nanotechnology: biological and biomedical applications', Bordeaux, France (organizer).
Aug 2016	Colloquium on "Research and technological developments using DNA and RNA: algorithmic materials for self-assembly and self-organization", Bordeaux, France (co-organizer).
Dec 2015	International colloquium "Why living matter is worth its conceptual and synthetic challenge", Paris, France (co-organizer).

INSTITUTIONAL RESPONSIBILITIES

2013-present	3 Assist. professor selection committees at Univ. Grenoble-Alpes, UPMC, Univ. d'Evry, France.
2013-present	4 PhD defense committees at UPMC, Université Paris Descartes, France. 3 PhD advisory committee at UPMC and ESPCI.
2011-2013	Chemistry oral examiner at the entrance exam of Ecole normale supérieure, Paris, France.
2004-present	Organiser of internal seminars at : Lab. Jean Perrin (2015-2018), Biophysics journal club at Kyoto University (2007-2008), Chemistry PhD seminar at ENS Paris (2004-2006).

COMMISSIONS OF TRUST

2013-2019	Program committee member of the international Conference in DNA computing and molecular programming (major conference in the field).
2010-present	Reviewer for: <i>JACS</i> , <i>Nature Phys.</i> , <i>Nature Chemistry</i> , <i>Nature Comm.</i> , <i>Biomicrofluidics</i> , <i>Biomacromolecules</i> , <i>Eur. Phys. J.</i> , <i>RSC advances</i> , <i>ACS Synth. Biol.</i> , <i>NanoToday</i> , <i>Natural Computing</i>
2011-present	Grant evaluator: national research agency (ANR, 3), Grenoble region (2), ESPCI start-up incubator (2), French minister of education (1), Israel Science Foundation (2), MI CNRS (1), Allen foundation (1), Fondation l'Oreal (2).

OBTAINED GRANTS

2020-2022	Marie Curie Individual Potsdoctoral Fellowship, "DNA-guided self-organized active materials", Host of Yuliia Vyborna. 190 k€.
2018-2023	ERC Consolidator grant, "Metabolic soft matter with life-like properties", coordinator. 1.9 M€.
2018-2020	Marie Curie Individual Potsdoctoral Fellowship, "Self-organized biomolecular gradients for controlling cellular behaviour in cell culture", Host of M. Van Der Hofstadt. 170 k€.
2017-2020	City of Paris Emergence program, "Artificial morphogenesis in a DNA-based molecular system", coordinator. 163 k€.
2013-2016	FP7-ICT FET Open Objective, "Programming cellular networks and community behaviour with synthetic RNA-based devices", <i>Ribonets</i> , coordinator of a WP. 300 k€.
2012-2016	French ANR young researchers grant, "Dynamic nanotechnology: Synthetic oscillators using DNA reaction networks within microfluidic reactors", <i>Dynano</i> , coordinator. 280 k€.

Other grants: (2012-2013) G3N CNRS, participant, 15 k€. (2012-2013) Cooperative project PRES UniverSud *Microscila*, participant, 20 k€. (2013-2014) Labex nanosacalay emergence *Turnano*, coordinator, 50 k€. (2012-2013) C'nano Ile-de-France *Enginets*, coordinator, 50 k€. (2010-2012) Triangle de la physique *Microgradients*, coordinator, 30 k€.

IMPLICATION PROFESSIONNELLE DANS LA TRANSITION ENVIRONNEMENTALE

2021-présent	Encadrant du mémoire de M2 de Léo Faure, intitulé: <i>Etude de l'impact socio-écologique de la reconversion de la raffinerie de Grandpuits-Grangeville en Seine et Marne</i> .
2018-présent	Co-fondateur et membre de l'Atelier d'écologie politique francilien (Ecopolien).
2020-présent	Membre du GDR Labos1point5 et co-responsable du module <i>Achats</i> de l'outil de calcul d'empreinte carbone de la recherche GES1p5.
2021-présent	Référent développement durable du Labo. Jean Perrin auprès de la Faculté de Sciences et Ingénierie de Sorbonne U.

MAJOR COLLABORATIONS

- J.-C. Galas, Morphogenetic materials, Lab. Jean Perrin, CNRS, Paris, France.
- Y. Rondelez, DNA active solutions, Inst. of Industrial Sciences, ESPCI, France.
- D. Baigl, DNA nanotechnology, Dept. of Chemistry, Ecole normale supérieure, Paris, France.
- D. Woods, molecular programming, Maneuth U., Ireland.
- Y. Shimizu, RNA synthetic biology, Riken, Osaka, Japan.
- A. Jaramillo, RNA synthetic biology, Dept. of Synthetic Biology, U. of Warwick, UK.
- L. Roques, Mathematics of reaction-diffusion, Dept. of Applied Mathematics, INRA, Avignon, France.
- R. Voituriez, Active matter, Lab. Jean Perrin, CNRS, Paris, France.
- A. Prevost and E. Wandersman, Mechanics of soft matter, Lab. Jean Perrin, CNRS, Paris, France.
- F. Robin, Actin dynamics, Lab. de Biologie du développement, IBPS, Sorbonne Université, Paris, France.