Luís Manuel LOPES NEVES DE ALMEIDA

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Born in Lisbon on december 29, 1966
5 children.

Recruited by the CNRS in October 1996.

University degrees

- Habilitation à diriger des recherches, *Quelques problémes liés à l'étude d'équations aux dérivées partielles issues de la physique, de la géométrie et de la biologie.* Univ. Pierre et Marie Curie (2012).
- Thèse de doctorat en Mathématiques: *Quelques problèmes liés aux modèles de Ginzburg-Landau.* Supervisor F. Bethuel. Ecole Normale Supérieure Cachan (1996).
- MSc in Mathematics, Brown University, USA (1990 -1992)
- Licenciatura em Física, Faculdade de Ciências da Universidade de Lisboa, Portugal (1985 -1990)

Main research organization and administration tasks since 2016

- Member of the Interdisciplinary committee CID 51 of the Comité National de la Recherche Scientifique (Modélisation et analyse des données et des systèmes biologiques : approches informatiques, mathématiques et physiques) 2013-2016.
- Person in charge of the *Mathématiques Appliquées aux Sciences Biologiques et Biomédicales* Master 2 program of Sorbonne Université since 2012.
- Organizer of the *Mathématiques pour la Biologie et la Santé* seminar at UPMC since 2012.
- Member of the Scientific Advisory board of the Center for Interdisciplinary Research in Biology (CIRB, Collège de France) in 2014 and in 2016.
- Coordinator of the PICS CNRS-Royal Academy *Structured equations for coevolving cell populations*, 2017-2019.
- Deputy-director of the Paris Graduate School in Mathematics program of FSMP since 2017.
- Head of the LJLL partner in the Moglimaging project (Plan Cancer HTE program 2016-2020).
- Co-head (with Benoit Perthame) of the Projet de Recherche Exploratoire (INRIA) *Evolved dependence to cancer*, 2017-2018.
- Co-organizer of the workshop *Asymptotic approaches to spatial and dynamical organizations*, Paris, July 2018.
- Co-organizer of the Minisymposium *Topics on drug resistance in cancer*, 11th European Conference on Mathematical and Theoretical Biology, Lisbon, July 23-27, 2018.
- Co-organizer of the meeting *Mathematical modeling of growth and tissue repair*, at Fondation des Treilles, 12-17 November 2018.
- Head of the sustainable laboratory committee of the LJLL since 2019.
- Head of French partner in the Hubert Curien program Pessoa Project *Mathematical models for mosquito population dynamics and applications to control of vector-borne diseases* (since January 2020).
- Head of Mathematical group in the World Health Organization TDR/IAEA project *PAcific Islands Consortium for the Evaluation of Aedes SIT (PAC-SIT)* (since 2020).
- Together with B. Perthame, we are at the origin of the proposal of a one trimester program at IHP on *Mathematical modeling of organization in living matter.* This proposal was selected and the trimester from January to April 2022 will be co-organized with V. Calvez, M. Doumic and P. Reynaud-Bouret.

Thesis supervised or co-supervised since 2016

- Casimir EMAKO-KAZIANOU, March 2016 UPMC. *Study of two-species chemotaxis models.* Presently working for J.P. Morgan (London).
- Telmo PEREIRA, April 2017 Faculty of Médecine, Lisbon University, *Characterization of tissue mechanics and cell cycle during wound healing : when software meets biology* April 2017. Presently responsible for the imaging facilities of the CEDOC (Univ. Nova of Lisbon).
- Giulia FABRINI, April 2017 University of Genoa and UPMC, *Numerical methods for optimal control problems with biological applications*, April 2017. Presently working for Neat s.r.l. (Rome).
- Jorge ESTRADA HERNANDEZ, since September 2018
- Jesus BELLVER-ARNAU, since September 2019
- Emma LESCHIERA, since September 2019

Postdocs supervised or co-supervised:

- Ibrahim CHEDDADI, currently assistant professor (Maitre de Conférences) at Univ. Joseph Fourrier, Grenoble.
- Tommaso LORENZI (with B. Perthame and J. Clairambault), currently professor at Politecnico di Torino.
- Michel DUPREZ, currently junior researcher at INRIA.
- Xinran RUAN, since December 2017.
- Gissell ESTRADA RODRIGUEZ since October 2019.
- Alexis LECULIER since September 2020.

Teaching since 2014

- Mathematical models of tumor growth (Master 1 course) University of Verona, 2014.
- Mathematical methods in Biology (Master 2 course) University Pierre et Marie Curie, 2014.
- Parabolic nonlocal models of evolutionary dynamics (Master 1 course) University of Verona, 2015 (with T. Lorenzi).
- Modeles de croissance de tissus, (Master 2 course) University Pierre et Marie Curie, 2016 (with B. Perthame).
- Reaction-Diffusion Equations Arising in the Mathematical Modelling of Population Dynamics (Master 1 course) University of Verona, 2016 (with T. Lorenzi).
- Modeles de croissance de tissus, (Master 2 course) University Pierre et Marie Curie, 2017 (with D. Salort).
- Modeles de croissance de tissus, (Master 2 course) University Pierre et Marie Curie, 2018 (with D. Salort).
- Partial differential equation models of spatial and evolutionary dynamics in biological systems (Master 1 course) University of Verona, 2018 (with T. Lorenzi).
- Modeles de croissance de tissus, (Master 2 course) Sorbonne Université (with D. Salort).
- Modeles de croissance de tissus, (Master 2 course) Sorbonne Université, 2020.
- Mathematical methods in Biology (Master 2 course) Sorbonne Université, 2020.