

PERSONAL INFORMATION

Family name, First name: ZAVAGNO, Annie

Researcher unique identifier: [ORCID: 0000-0001-9509-7316](https://orcid.org/0000-0001-9509-7316)

Date of birth: September 17th, 1966.

Nationality: French

URL for web site: <https://people.lam.fr/zavagno.annie>

EDUCATION

- 2002 “Habilitation à Diriger des Recherches” HDR, Université de Provence, Marseille France.
Highest French degree, required to supervise PhD students.
- 1993 PhD, Astrophysics, Université Paris Diderot (Paris 7), France.
- 1989 Master, Astrophysics, Université Paris 7 & Observatoire de Paris-Meudon, France.

CURRENT POSITIONS

- 2022 – 2027 Senior member of the [Institut Universitaire de France](https://www.institut-universitaire-de-france.fr/).
Position to promote excellence in academic research. Concerns all disciplines in France.
- 2020 – First class (full) professor, Laboratoire d’Astrophysique de Marseille (LAM), Aix Marseille Université (AMU), France.
- 2018 – Full professor, Laboratoire d’Astrophysique de Marseille (LAM), Aix Marseille Université (AMU), France.
- 2017 – 2022 Senior member of the [Institut Universitaire de France](https://www.institut-universitaire-de-france.fr/).
Position to promote excellence in academic research. Concerns all disciplines in France. The selection rate for senior members is 12%.

PREVIOUS POSITIONS

- 2012 – 2017 Deputy director, LAM, AMU & CNRS, France.
- 2014 – 2018 Senior Lecturer, LAM, AMU, France.
- 1997 – 2014 Lecturer, LAM, AMU & CNRS, France.
- 2009 – Co-Investigator of the *Herschel* SPIRE instrument.
- 2006 – *Herschel*-PACS and SPIRE Scientific Associate.
- 2006 – Co-PI of the *Herschel* HOBYS program (Motte, Zavagno, Bontemps).
- 2008 – 2016 Responsible for the *Herschel* CNES funding at LAM (2.5 M€).
- 2013 – 2016 Co-I & Member of the steering committee of the Vialactea FP7-EU Funded project.
- 2010 Co-I & Member of the steering committee of the *Herschel* Galactic Plane survey, Hi-GAL.

FELLOWSHIPS AND AWARDS

- 2008 – 2022 Awarded (4 consecutive times) *Prime d’Excellence Scientifique*.
Bonus awarded for recognition of excellence in research and mentoring of PhD students. Awarded to top 25% of professors.
- 2018 Among the 3 finalists of Grand Prix du Jury de la Recherche en Provence, France.
- 1996 – 1997 Fellowship from the French Academy of Science (1 attributed per year), France.
- 1994 – 1996 ESA External Fellowship (4 available for all Europe at that time), IFSI-CNR, Rome, Italy.

SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

- 2002 – 2023 9 Postdocs - 8 PhDs - 8 Master Students (4 to 6 months internships) - 6 software engineers
LAM, AMU and CNRS, France.

PhD and HDR committees

Since 2012 Member of 13 PhD committees (6 as main referee, 1 as president).
Member of 6 HDR committees (4 as main referee).

TEACHING ACTIVITIES

Since 2018 Astrophysics course at [Université du Temps Libre](#) (AMU), France.
2018 – 2023 L1 – Mathematics for Physic, ([inverted classes](#)), AMU, France.
1997 – 2020 L1 – Classical mechanics. Innovative pedagogy since 2018, [inverted classes](#). AMU, France.
1997 – 2002 L1 – Mathematics for Physics, AMU, France.
2014 – 2016 Master 1 – Astrophysics, AMU, France.
2019 – Master 1 – Astrophysics, AMU, France.
2008 – 2016 Master 2 – Astrophysics, AMU, France.

ORGANISATION OF SCIENTIFIC MEETINGS

2016 Co-organizer, Milky Way 2016, Italy (150 participants).
2015 Co-organizer of the internal Vialactea Workshop, University of Leeds, UK (60 participants).
2014 Organizer, From Galactic to Extragalactic Star Formation, France (150 participants).
2011 Co-organizer, Milky Way 2011, Italy (200 participants).

INSTITUTIONAL RESPONSIBILITIES

2022 Appointed expert for the panel Earth and Universe sciences of the HCERES. (2 experts in France in this panel)
2022 Appointed member of the Physics panel (PE09) for ERC Consolidator grants
2018 – 2022 Appointed member of the [Executive Council of the Institute Universitaire de France](#).
2012 – 2017 Member of the Executive Council and of the Council of the Doctoral School of Physics, Aix Marseille Université, France.
2012 – 2016 Appointed member of the National University Committee (CNU, Section 34), France.
2013 – 2017 Appointed Member of Scientific Council of the ALMA Science Group, CNRS, France.
2014 – High Committee for Evaluation of Research and Higher Education ([HCERES](#)). This national committee accompanies, evaluates and analyzes to support the quality of higher education and research.
Appointed Member for the evaluation of 3 French laboratories (IAS (2012), LERMA (2017), LUPPM (2020)) and an international Master (Hanoi) (2016), France.
2019 Recruitment committee for a professor, vice-president, Université Grenoble Alpes, France.
2014 Recruitment committee for an assistant professor, president, Aix Marseille Univ., France.
2013 Recruitment committee for an assistant professor, appointed member, Univ. de Nice, France.
2012 Recruitment committee for an assistant professor, appointed member, Univ. de Nice, France.
2012 – 2017 Appointed member of the LAM Laboratory Council and LAM Scientific Council.
2000 – 2011 Elected member of the LAM Laboratory Council and LAM Scientific Council.

REVIEWING ACTIVITIES

2022 ERC Consolidator grants Physics (PE09) panel
2020 Scientific Evaluation, Istituto Nazionale di AstroFisica (INAF) Research Programs, Italy.

- 2019 Scientific Evaluation, European Southern Observatory (ESO), Telescope Time Allocation, Europe.
- 2017 – Scientific Evaluation, Marie Skłodowska Curie Fellowships.
- 2019 – Scientific Evaluation, DIM ACAV+ fellowships, France.
- 2013, 2015 Scientific Evaluation, Netherlands organization for scientific research.
- 2012 Scientific Evaluation, Canadian National Research Council, Canada.
- 2014 Scientific Evaluation, Swiss National Science Foundation, Switzerland.
- 2000 – Referee for peer reviewed international journals.

MEMBERSHIPS OF SCIENTIFIC SOCIETIES

- 2009 – Member, Research Network “*Herschel Specialist Astronomical Group - Star Formation*”.
- 2009 – Member, Research Network “*Herschel Specialist Astronomical Group - Interstellar Dust*”.
- 2000 – Member, *Société Française des Spécialistes en Astronomie (SF2A)*.
- 2000 – Member, International Astronomical Union (IAU).

DISSEMINATION

- 2023 CNRS [Sciences Taille XXelles](#): Promotion of women in science. Among the 15 women chosen in Provence.
- 2018 Project Art & Science "Calanques: Territory of Science, Source of Inspiration", collaboration with [J. Clauss](#), artist in residence ([Camargo Foundation](#)).
- 2017 – Annual participation to the “Science Fest” and “European Night of Researchers”
- 2016 Euronews: [TV interview](#) for the VIALACTEA project
- 2015 Appointed member of the [Club-M-](#) of the Ambassadors of Marseille City
- 2014 Media interview " Science Frontiers " 24h on Earth
- 2014 Among the 20 women chosen for the book "Marseille Séquentielles, Récits d'une Ville au Féminin" (Author Anne-Sophie Poiroux, Editions Eanna, 2014).
- 2010 Podcast of "Sky & Space" on the formation of massive stars
- 2010 CNES Press Release
- 2010 European Space Agency (ESA) [Press Release](#) on induced star formation
- 2010 European Space Agency (ESA) [Herschel podcast](#) on induced star formation
- 2010 Article in the [national newspaper Le Monde](#) (15/5/2010, author P. Le Hir)
- 2010 [BBC Press Release](#) on Herschel first results.
- 2009 Among the 3 scientists chosen by ESA to present the [first results of the Herschel infrared mission](#) to the international press.

MAJOR COLLABORATIONS

- Dupé, Schisano, Molinari, Brescia, Gray: Machine Learning for Galactic Star Formation.
- André, Arzoumanian, Mattern, et al.: ArTéMiS view of high mass stars forming regions.
- Motte, Zavagno, Bontemps et al.: The *Herschel* Survey of OB Young Stars ([HOBYS](#)), France.
- Molinari et al.: The *Herschel* Infrared Galactic Plane survey [Hi-GAL](#), INAF, Italy.
- Molinari et al.: [Vialactea](#): The Milky Way as a star formation engine, EU-funded FP7 SPACE-2013
- Juvela, Ristorcelli et al.: *Planck & Herschel* surveys of Galactic Cold cores.
- Abergel et al.: *Herschel* survey of the interstellar life cycle in the Galaxy.