

Annie ZAVAGNO, Professor (full)

 <https://people.lam.fr/zavagno.annie>  annie.zavagno@lam.fr  September 17th, 1966  French  [ORCID: 0000-0001-9509-7316](https://orcid.org/0000-0001-9509-7316)

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

- 2025 - Excellence class full professor, Laboratoire d'Astrophysique de Marseille (LAM), Aix Marseille Université (AMU), France.
- 2022 - 2027 [Senior member](#) of the Institut Universitaire de France.
Position to promote excellence in academic research for all disciplines in France.

PREVIOUS POSITIONS

- 2020 - 2025 First class full professor, Laboratoire d'Astrophysique de Marseille (LAM), Aix Marseille Université (AMU), France.
- 2018 - 2020 Full professor, Laboratoire d'Astrophysique de Marseille (LAM), Aix Marseille Université (AMU), France.
- 2017 - 2022 Senior member of the Institut Universitaire de France.
Position to promote excellence in academic research. Concerns all disciplines in France. The selection rate for senior members was 12%.
- 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

- 2018 - 2027 Awarded 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.

PUBLICATIONS (Source: [NASA-ADS](#))

279 articles, 161 A-ranked. Monographies: 6. H-index: 61. Citations > 15,500.

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SUPERVISION

2002 - 10 Postdocs
9 PhDs
9 Master Students (4 to 6 months internships)
6 Software engineers
LAM, AMU and CNRS, France.

PhD and HDR committees

2012 - Member of 20 PhD committees (10 as main referee, 4 as president).
Member of 7 HDR committees (5 as main referee).

TEACHING ACTIVITIES

2023 - Solid mechanics, AMU, France.
2018 - 2025 Astrophysics course for the public at Université du Temps Libre (AMU), France.
2018 - 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 - 2024 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

2025 Recruitment committee for a junior professor chair, Besançon University, France
2024 Recruitment committee for a junior professor chair, Strasbourg University, France
2024 Recruitment committee for a professor, Grenoble University, France
2022-2025 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, Grenoble University, France.
2014 Recruitment committee for an assistant professor, president, Aix Marseille Univ., France.

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- 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

- 2025 Expert for the ESPRIT Programme of the Austrian Science Fund
- 2025 Expert for the Doctoral Network Fellowship competition, Europe
- 2024 Expert for the FCT Agency for permanent positions selection committee, Portugal
- 2024 Expert for the AGAUR Agency, Beatriciu de Pinos postdoctoral program, Spain
- 2023 HCERES Expert panel committee member for LESIA, GEPI (President), IAP
- 2023 Expert for the AGAUR Agency, Beatriciu de Pinos postdoctoral program, Spain
- 2023 Member of the IUF Senior jury
- 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 – 2022 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.

DISSEMINATION

- 2025 Public conference, Fête de la science, Marseille, France
- 2024 Public conference, Astronomy festival Ollioules, France.
- 2024 National campaign: [Promotion of women in sciences:](#) Science taille XX Elles
- 2023 Science taille XX Elles [public conference](#), Alcazar, Marseille, France.
- 2023 Endoume [public conference](#), Marseille, France.
- 2023 UPOP [public conference](#), Marseille, France.
- 2023 Public conference, Planétarium de Montpellier.
- 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](#)).
- 2018 – Annual [public course](#) in Astronomy at Université du temps Libre (AMU)
- 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](#)- 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 massive star formation
- 2010 European Space Agency [Press Release](#) on *Herschel* first results
- 2010 CNES Press Release
- 2010 European Space Agency [Press Release](#) on induced star formation
- 2010 European Space Agency *Herschel* podcast on induced star formation
- 2010 [Article](#) in the national newspaper *Le Monde* (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* mission to the international press

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MAJOR COLLABORATIONS

- Zhang (Chile): Early radiative feedback from massive stars
- Figueira (Poland): High-mass star formation
- Samal, Rawat (India): Early radiative feedback from massive stars
- Liu (China): High-mass star formation
- Yadav (Thailand): High-mass star formation
- Tej (India): High-mass star formation
- André (CEA Saclay), Walch (Cologne University): Bubbles and filaments
- Hennebelle, Suin (CEA Saclay): Numerical simulations
- Artières, Berthelot, Schisano, Dupé, Gray: Machine Learning for Galactic Star Formation.
- André, Arzoumanian, Mattern, et al.: ArTéMiS view of high-mass star formation
- 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 Galactic cold cores

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).