

## 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 17<sup>th</sup>, 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

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](https://www.institut-universitaire-de-france.fr/).

Position to promote excellence in academic research for 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 – 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.

## SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

2002 – 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 20 PhD committees (10 as main referee, 4 as president).  
Member of 6 HDR committees (4 as main referee).

### TEACHING ACTIVITIES

2023 –            Solid mechanics, AMU, France.  
2018 –            Astrophysics course for public 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

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              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.  
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 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.

## MEMBERSHIPS OF SCIENTIFIC SOCIETIES

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

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

275 articles, 159 A-ranked. Monographies: 6. H-index: 61. Citations > 15,000.

## DISSEMINATION

2025	Public conference, Fête de la science, Marseille, France
2024	Fête de la science, Marseille, France
2024	Public conference, Astronomy festival, Ollioules, France.
2024	National campaign : Promotion of women in sciences : <a href="#">Science taille XX Elles</a>
2023	Science taille XX Elles <a href="#">public conference</a> , Alcazar, Marseille, France.
2023	<a href="#">Endoume public conference</a> , Marseille, France.
2023	<a href="#">UPOP public conference</a> , Marseille, France.
2023	Public conference, Planétarium de Montpellier.
2023	CNRS <a href="#">Sciences Taille XXElles</a> : 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 <a href="#">J. Clauss</a> , artist in residence ( <a href="#">Camargo Foundation</a> ).
2017 –	Annual participation to the “Science Fest” and “European Night of Researchers”
2016	Euronews: <a href="#">TV interview</a> for the VIALACTEA project
2015	Appointed member of the <a href="#">Club-M-</a> 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

Zhang, S. Chile: Early radiative feedback from massive stars  
Samal, S. and V. Rawat, India: Early radiative feedback from massive stars  
André, P., CEA Saclay, S. Walch, Cologne University: Bubbles and filaments  
Hennebelle, P., 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 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.