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## Education and employment

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Since 2017	<b>Assistant astronomer (permanent position)</b> at LAM (Marseille, France)
2016-2017	<b>Postdoc</b> <i>NIKA2 deep survey</i> at LAM (Marseille, France), supervisor : Guilaine Lagache
2013-2016	<b>ESO fellow</b> at ESO (Garching, Germany), functional duties on ALMA
2011-2013	<b>Postdoc</b> <i>Star formation in high-redshift galaxies with Herschel</i> at CEA (Saclay, France), supervisor : Emanuele Daddi
2008–2011	<b>PhD thesis</b> <i>Properties of the infrared galaxies at high redshift and their contribution to the cosmic infrared background</i> supervised by Hervé Dole at Université Paris-Sud (Orsay, France)
2008	<b>Master of Astronomy &amp; Astrophysics</b> Université Pierre et Marie Curie (Paris, France)
2006	<b>Bachelor of fundamental physics</b> Ecole Normale Supérieure de Cachan (France)

## Research

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### Research topics :

- Formation and evolution of galaxies
- Large-scale structures
- Far-infrared and millimeter surveys (*Spitzer*, *Planck*, *Herschel*, ALMA)
- Cosmic infrared background

### Publications et communications :

- **108 refereed papers (published or in press), 29 in the three first authors (or equivalent contribution to a *Planck* paper) including 13 as first author (H-index = 44, 6970 citations, 762 for first-author papers, source ADS)**, including :
  - *Evolution of the dust emission of massive galaxies up to  $z=4$  and constraints on their dominant mode of star formation*, 2015, A&A, 573, 113 (79 citations)
  - *HerMES: deep number counts at 250  $\mu\text{m}$ , 350  $\mu\text{m}$  and 500  $\mu\text{m}$  in the COSMOS and GOODS-N fields and the build-up of the cosmic infrared background.*, 2012, A&A, 542, A58 (108 citations)
  - *Modeling the evolution of infrared galaxies: a parametric backward evolution model*, 2011, A&A, 529, A4 (107 citations)
- **23 talks** (11 invited) in conference or research schools
- **36 seminars**

### Observations :

- Observational experience : ALMA (service, 4 weeks), IRAM/NIKA2 (3 weeks), APEX (1 week), VLT/FORS (1 night)
- **PI of successful proposals** : ALMA, APEX/SEPIA, IRAM/NIKA, eMERLIN
- Co-I of programs on ALMA, IRAM, APEX, VLA, VLT, *Keck*, *Herschel*, *Spitzer*, SOFIA, et WHT
- Member of large observational projects : HerMES (guaranteed time SPIRE, 900 h), SPT SMGs (extensive follow-up campaign of lensed sources found by the *South Pole Telescope*), ALMA-GOODS (deep survey ALMA, 22 h), ALPINE (co-PI, ALMA large program to observe [CII] at high redshift), N2CLS (guaranteed-time deep fields with NIKA2, 300 h), *Euclid*

## Service

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### Functional duties :

- **Euclid preparation** (galaxy clustering end to end, OU-SPE, since 2017, LAM)
- **ALMA astronomer on duty and data quality assessment** (2013-2016, ESO)

### Committees :

- **Elected member** of the laboratory council of LAM
- **Panel member** for NASA ADAP program.
- **Member** of the visitor selection committee at ESO.
- **Remote reviewer** for ERC, ALMA–CONICYT, and NASA postdoctoral programs
- **First reviewer of the PhD thesis** of Claudia Mancuso (SISSA, Trieste, Italy)
- **Postdoc representative** at *Service d'Astrophysique* (CEA Saclay).
- **Referee** for the *Science*, ApJ, MNRAS, A&A, PASP, and *Royal Society Open Science*.

### Organization of scientific meetings :

- **Chair of the LOC** of the 13th edition of the Marseille Cosmology Conference Series : lines into the large-scale structures (8-12 July 2019)
- **Co-chair of the SOC and member of the LOC** of the conference *Gas, Dust, and Star-Formation in Galaxies from the Local to Far Universe* in Crete in May 2015
- **Organizer of weekly meetings** : galaxy evolution circle at LAM, informal discussion at ESO, and postdoc seminars at CEA Saclay .

## Teaching

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### Assistant astronomer at Aix-Marseille University (66 h/yr, since 2017) :

- Master : millimeter interferometry
- Bachelor : hands-on of experimental physics (thermodynamics, fluid mechanics, electronics)

### Teaching assistant at Paris-Sud University (64h/yr, 2009-2011) :

- Master : Analysis of astrophysical data
- Bachelor : mechanical waves (tutorial classes and hands-on) 28 hours of tutorial class and 12 lab courses of 4 hours (vibrating string, sound waves in a pipe, ultrasound).

### Supervised students :

- PhD students : Abhishek Maniyar (50%)
- Master second-year students : Emmanuel Bernhard (100%), Peter Lustig (33%), Adrien Julia (100%)
- Master first-year students : Morgane Cousin (50%), Mahmoud Hamed (50%)
- Bachelor students : Maxime Follin (50%), Raphauig (50%), Cic Montet (50%) , Erwan Coquidé (100%)
- Participation to the supervision of students without formal responsibility : Morgane Cousin, Margharita Bonzini, Bitten Gullberg, Theresa Falkendal, Darko Donevski (invited in the thesis committee), Yana Khusanova

## Public & Outreach activities

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- 17 outreach talks
- Participation to events for general public (e.g. *International year of astronomy*, *Astronomy festival of Fleurance*)