



Curriculum Vitae : Roser Pello

Laboratoire d'astrophysique de Marseille (LAM)

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Professional Summary and Experience

Present Position: Astronomer (*Classe Exceptionnelle* since January 2016). Senior permanent position

- **Since October 2019:** Astronomer at Laboratoire d'Astrophysique de Marseille (LAM, Marseille, France)
- October 2004–October 2019 : Astronomer at *Observatoire Midi-Pyrénées* (Toulouse, France)
- October 1992–October 2004 : Assistant astronomer at *Observatoire Midi-Pyrénées* (Toulouse, France)
- January 1990–September 1992 : Assistant junior professor, University of Barcelona, Physics Department.
- January 1987–December 1989: PhD fellowship from the Spanish Research Ministry (PFPI grant, *Plan de Formacion de Personal Investigador*), at University of Barcelona

Education and Awards

- **June 1984:** Bachelor in Physical Sciences, University of Barcelona.
- **January 1986:** Degree in Astrophysics, University of Barcelona. THESIS : « *Influència de les SN I en els models unizonals d'evolucio galactica* » (in Catalan). Academic award from *Institut d'Estudis Catalans* in 1986, in the category of Physics.
- **June 1990:** PhD in Astrophysics, University of Barcelona. THESIS : « *Contribucion al estudio de la evolucion fotoquimica de galaxias en cumulos ricos. Estructuras en forma de arco en el centro de los cumulos* » (in Spanish). Supervisor : Prof. B. Sanahuja. PhD award from University of Barcelona in 1992.
- **December 2002:** Habilitation to direct research (French HdR), Université Paul Sabatier (Toulouse, France). THESIS : “ *Redshifts Photométriques et Télescopes Gravitationnels, des approches originales pour l'étude de l'évolution des galaxies*” (in French)

Scientific Interests (key words): Evolution, assembly and physical properties of galaxies - Observational Cosmology : Galaxy formation, re-ionization, cosmological surveys - Gravitational Lenses

Main Responsibilities in Science and Administration (since 2010)

LOCAL:

- **Since June 2024:** Member of the LAM Scientific Council (CS)
- 2021-2022: Member of the LAM CPI (“*Commission Paritaire Instrumentation*”)
- 2020-2023: co-lead of the IPhU Working Group “Galaxies & Cosmology”, member of the Research Board
- July 2013 – January 2016 : Chair of GAHEC Department at IRAP (Toulouse)
- June 2010 – July 2013 : Deputy chair of GAHEC (“*Galaxies, Hautes Énergies et Cosmologie*”) at IRAP

- September 2009 – September 2013 : Elected Member of the Scientific Council of the Observatoire Midi-Pyrénées

NATIONAL:

- **Since January 2024:** Member of the *Haut Conseil Scientifique of Observatoire de Paris*
- 2022: Member of the French TAC for the CFHT
- **September 2016 – July 2021:** Elected member of the **Section 17 of CNRS**. Member of the Board
- November 2015 – October 2016 : Substitute Member of the Scientific Council of the **CNU**, Sect. 34
- **November 2011 – November 2015 :** Elected Member of the Conseil National des Astronomes et Physiciens (CNAP), Astronomy Section
- November 2007 – September 2011 : Member of the Scientific Council of **CNU**, Section 34
- 2012–2017 : Member of the Scientific Council of LabEx OCEVU (Origine, Constituants et Evolution de l'Univers, <https://www.labex-ocevu.univ-amu.fr>), of Aix-Marseille Université
- Panel member of AERES and HCERES panels for the evaluation of French laboratories: Lagrange / Cassiopée / Fizeau in Nice (2011); Observatoire de Strasbourg (2012), IAP (2018)

INTERNATIONAL :

- **Since 2021 :** Elected member of the IAU J3 Commission « Galaxies at the Epoch of Reionisation ».
- **Since 2018 :** Member of the IEEC Science Advisory Board (SAB)
- 2020–2022 : Member of the OPTICON CTAC
- 2015–2016 : Member of the Spanish TAC. Chair of the GACOS Panel (Galaxies and Cosmology) between November 2015 and November 2016
- Reviewer (since 2015): TAC CFHT, ERC, ECOS, the Deutsche Forschungsgemeinschaft (DFG) and MPE (Germany), CONACYT (Mexico), National Science Center of Poland (Poland), Spanish State Research Agency (Spain), Ilkerbasque (Spain), COFECUB (France-Brazil), and the *Université de Liège*

Project Leadership and Management (since 2010)

- **Since September 2022:** PI of the MOSAIC instrument for the ELT/ESO
- 2021-22: Instrument Scientist at LAM for the MOSAIC/ELT project
- 2020-22: Instrument Scientist of LMR instrument for the MSE
- 2009-14: Leader of the project funded by the French ANR « Recherche et Etude des premières Galaxies dans l'Univers » (CSD 6- Sciences de l'univers et geo-environnement)
- 2011–2021 : Co-Lead of the *Work Package* « Clusters - Validation » within the OU-LE3 of the EUCLID project
- 2021–2022 : Co-Lead of the *Work Package* « Clusters - Validation » within the Science Working Group « Clusters of Galaxies »
- **Since 2014 :** Leader of the *Work Package* «SED-fitting» within the OU-PHZ (Photometric Redshifts) of the EUCLID projet since 2014. Between 2011 and 2014, leader of the *Work Package* «New-hyperz» of OU-PHZ
- 2017-2020 : French PI of the ECOS-SUD project C16U02
- Since 2003 : Co-I of the instrument EMIR for the GTC, and member of *Science Core* of EMIR/GOYA

Others

Current membership of international collaborations (since 2010):

- **MOSAIC** (PI since 2022; <http://www.mosaic-elt.eu/> & <https://elt.eso.org/instrument/MOSAIC/>)
 - **MUSE** (since 2006; <http://muse.univ-lyon1.fr/>)
 - *Science Team of* **MOONS** (since 2017)
 - Member of the Science Working Groups « Primordial Universe » and « Clusters of Galaxies » for the **Euclid project** since 2011 (<http://www.euclid-ec.org/>)
- 16 **PhD students** supervised or co-supervised
- **Publication record** (source ADS, at 20/12/2024) : 455 articles; 250 refereed articles; ~31000 citations; h-index= 84