

Johan MAZOYER

Research Interests: Optical Instrumentation, Direct Imaging & Coronagraphy, Observation & Characterization of Extrasolar Systems, Debris Disks

1 RESEARCH POSITIONS

CNRS Scientist – LIRA/Paris Observatory - PSL (France)	Since 2020
Carl Sagan Fellow – NASA Jet Propulsion Laboratory (Pasadena, CA)	2018 - 2019
Postdoc – Johns Hopkins University (Baltimore, MD)	2016 - 2018
Postdoc – Space Telescope Science Institute (Baltimore, MD)	2014 - 2016
Graduate Student – LIRA/Paris Observatory - PSL (France)	2011 - 2014

2 EDUCATION

French habilitation (HDR) – Paris Observatory - PSL (France)	March 2024
PhD – Astronomy & Astrophysics – Université Paris Cité (Paris, France) <i>Thesis: High-Contrast Imaging Of Exoplanets And Circumstellar Disks (P. Baudoz & G. Rousset)</i>	Sept. 2014
Master – Astronomy & Astrophysics – Université de Toulouse (Toulouse, France) <i>Thesis: Influence of Mars atmosphere on ChemCam detection limits (O. Gasnault & R. Wiens)</i>	Sept. 2011
Master – Techniques for Space Imaging – ISAE Supaero (Toulouse, France)	Sept. 2011
Bachelor – Embedded systems – Ecole polytechnique (Paris, France)	Sept. 2010

3 GRANTS & AWARDS

ERC - Consolidator Grant (PI) ECHOES - 2 M€	Since 2026
ANR JCJC (PI) 370 k€ (terminated early)	2025-2026
DIM Origins (PI) Hardware funding for a spatial light modulator - 20 k€	2023
CNES (co-PI) Postdoc fund for I. Luginja - 60 k€ / 2yrs	2022
Data Intensive Artificial Intelligence program (PI) PhD fund Y. Gutierrez - 120 k€/3yrs	2021
Ecosud Program (PI) for France-Chile collaboration with <i>Universidad de Chile</i> – 50 k€	2020
NASA Group Award: LBTI Hosts Survey Science Team	2020
Carl Sagan Fellowship (NASA Hubble Fellowship Program) – 280k€/3 yrs	2018
Cover of Astronomy & Astrophysics Journal (Volume 564)	2014
Outstanding Presentation Award (CNES fellow symposium JC ²)	2013
CNES Doctoral Research Fellowship (French space agency) – 50 k€/year	2011

4 OUTREACH



I am heavily involved in scientific outreach in France. In addition to regular class or public interventions, I am running institutional events and associative initiatives:

- **Podcast Science:** I am running **PodcastScience.fm**, a **general science program**, airing every weeks, in french. Listened by 10'000 to 20'000 listeners, Podcast Science received the Golden blog award forbest scientific blog in 2012.

- **Les p'tits cueilleurs d'étoiles:** Association organizing astronomers visits in children hospitals in France. I am organizing all Paris region hospitals (25 visits/yr).

- **Fête de la science:** I was the main organizer of the annual Paris Observatory Doors Open Days (~1000 visitors each year) for two consecutive years (2023 and 2024)

5 PROFESSIONAL ACTIVITIES & SERVICE

Responsibilities in scientific instruments:

- **Roman Space Telescope Coronagraph:** Deputy CNES representative Since 2023
- **VLT/SPHERE+:** Dark-Hole work package leader Since 2022
- **Habitable Exoplanet Observatory (HabEx):** Contributing Scientist 2019
- **Large UV Optical Infrared Surveyor (LUVOIR):** Contributing Scientist 2019
- **Gemini Planet Imager (GPI):** junior member of the consortium 2017-2020

Organization of Scientific Meetings:

- SOC: Roman coronagraphic instrument summer school Nice, March 2026
- SOC: ExoSystèmes 4 Lyon, 2024
- Organizer and SOC: National Capital Area Disks conference Baltimore 2018
- Organizer and SOC: Optimal Optical Coronagraphs workshop Leiden, 2017
- SOC: High Contrast Imaging from Space Baltimore, 2016
- LOC: Workshop “très haute dynamique” Paris, 2012

Other services:

- Head of “exoplanetary systems” group at Paris Observatory / LIRA Since 2025
- **Hubble Telescope Allocation Committee** 2024
- Science Commity of CNRS/INSU's exoplanets group (**CET exoplanètes**) 2023 - 2024
- Science Commity of CNRS/INSU's High Angular Resolution Group (**CS-ASHRA**) Since 2021
- **Referee** for publications in the *AJ*, *A&A*, *MNRAS*, *PASP* and *JATIS*.

6 MENTORING

Lukas Delaye (PhD, LIRA): co-director with A. Potier	Since 2025
Yann Gutierrez (PhD, LIRA): co-director with L. Mugnier, ONERA	2022-2025
Vito Squicciarini (Postdoc, LIRA): co-advisor with A.-M. Lagrange	2022-2024
Iva Leginja (Postdoc, LIRA): main advisor ; CNES Fellow. Now Resercher at Obs Côte D'Azur	2022-2024
Sophia Stasevic (PhD, LIRA) co-director with A.-M. Lagrange and J. Milli	2021-2025
Justin Hom (PhD, ASU) co-advisor with J. Patience	2019-2023
Kevin Fogarty (PhD, JHU) co-advisor with L. Pueyo. Now Research Scientist at AMES	2017-2019

7 TEACHING

Observatoire de Paris Master Class:

- Instrumentation for Astronomy
- Detection of Exoplanets