

|   |  |                    |                           |               |                              |
|---|--|--------------------|---------------------------|---------------|------------------------------|
| @ | <a href="mailto:jgirard@stsci.edu">jgirard@stsci.edu</a>   | <i>Citizenship</i> | French (H1-B)             | <i>Office</i> | STScI, 3700 San Martin Drive |
| 🌐 | <a href="http://juliengirard.space">juliengirard.space</a> | <i>DOB</i>         | July 8 <sup>th</sup> 1978 | ✉             | Baltimore, MD 21218, USA     |
| 👤 | <a href="#">in</a> <a href="#">ORCID</a>                   | <i>MARSTA</i>      | Married, 2 kids           | ☎             | (+1) 667-218-6510            |

I am currently **AURA Support Scientist**, member of the **Research Staff** at **STScI. High Contrast Specialist**, I am **Instrument Scientist** for **JWST/NIRCam/NIRCam** and the **Coronagraphs Working Group Lead** as well as the **Liaison** for **WFIRST/CGI**. I enjoy **supervising, teaching & outreach** activities and wish to do more to **engage the public**, especially young audiences & minorities. Following the **development of instruments** and putting them into **efficient operations** is my forte.

## Research Interests

- ✧ **Planets & Star Formation:** Exoplanets, Brown Dwarfs, Protoplanetary & Debris Disks
- ✧ **High Contrast Imaging, Spectroscopy, Polarimetry: Adaptive Optics & Coronagraphy**
- ✧ **Astronomical Instrumentation & Observing Techniques/Strategies:** Ground & Space

## Education

|           |   |   |
|-----------|---|---|
| 2001-2005 | <b>Ph.D in Physics &amp; Astrophysics</b><br><i>Doctorat, mention très honorable</i><br><i>Centre de Recherche Astronomique de Lyon (CRAL)</i>  | <i>Université Claude Bernard Lyon 1</i><br><i>(October 2005)</i>  |
|           | ELPOA project: Adaptive Optics at visible wavelengths with full sky coverage<br>⇨ Dissertation: <u>On-sky validation of the polychromatic laser guide star concept</u><br>⇨ Advisor: Dr. <a href="#">Renaud Foy</a>             |   |
| 2000-2001 | <b>Master's in &amp; Astrophysics</b> ( <i>with focuses in plasmas &amp; high angular resolution</i> )<br><i>D.E.A Astrophysique et Milieux Dilués</i><br><i>Institut de Planétologie et d'Astrophysique de Grenoble (IPAG)</i> | <i>Université Joseph Fourier Grenoble 1</i><br><i>(July 2001)</i> |
|           | IONIC project: Integrated optics for long-baseline NIR interferometry<br>⇨ Advisor: Dr. <a href="#">Pierre Kern</a>   |   |
| 1998-2000 | <b>Master of Science in Instrumentation Physics</b><br>⇨ Advisor: Dr. <a href="#">Lawrence Wiencke</a> (Cosmic Ray Group)   | <i>University of Utah</i><br><i>(May 2000)</i>                    |
| 1996-1998 | <b>D.U.T Mesures Physiques</b><br><i>Diplôme Universitaire de Technologie</i><br>Undergraduate studies in physics, measurement techniques and instrumentation   | <i>Université de Savoie Mont-Blanc</i><br><i>(June 1998)</i>      |

## Professional & Research Appointments

|                   |  |   |
|-------------------|--|---|
| 08/2017 - Present | <b>Space Telescope Science Institute (STScI)</b><br>Instruments Division   | <b>Support Scientist</b><br>1 year, 1 month |
|                   | ⇨ <b>JWST NIRCam Branch member, Instrument Scientist, Coronagraphy Lead</b><br>⇨ <b>JWST Coronagraphs Working Group Lead</b> (NIRCam, MIRI)<br>⇨ <b>WFIRST CGI Liaison</b> to the Science and Technology Teams<br>✧ <b>Member of the Research Staff:</b> 20% of my time, including student supervision |   |
| 2015 - Present    | <i>Institut de Planétologie et Astrophysique de Grenoble (IPAG)</i> <b>Affiliate Researcher</b>  |   |

## Professional & Research Appointments (cont.)

|             |   |   |
|-------------|---|---|
| 2009 - 2017 | <b>European Southern Observatory (ESO)</b> ↗<br>Directorates of Operations & Science  | <b>Staff Astronomer/Scientist</b><br>8 years  |
|             | ⇨ Science Operations: Daytime/Nighttime <b>support of the VLT/VLTI</b> : > 900 nights<br>⇨ <b>Instrument Scientist</b> for <b>SPHERE</b> (2014-) & <b>NACO</b> (2010-2015)<br>⇨ <b>Certified UT1-UT3-UT4 trainer</b> : > 7 VLT instruments + LGS facility<br>⇨ <b>Paranal Shift Coordinator</b> (Nighttime & Daytime)<br>⇨ <b>UT4 and UT3 Team Coordinator</b><br>⇨ <b>Adaptive Optics Group Coordinator</b> & AO contact point with Garching<br>⇨ Active member & co-founder of the <b>Direct Imaging Science Group (DIG)</b><br>⇨ <b>Research &amp; Student Supervision</b> : ~20% of my time |   |
| 2008 - 2009 | <b>Instituto Politécnico Nacional (IPN, Mexico)</b> ↗<br><i>Profesor Titular A</i> ↗, <i>Escuela Superior de Física y Matemáticas</i>   | <b>Assistant Professor</b><br>1 year          |
|             | ⇨ <b>Teaching</b> Optics Labs at the Bachelor level (216 hours)<br>⇨ Preparation of two graduate courses about astronomical instrumentation   |   |
| 2006 - 2008 | <b>Instituto de Astronomía (UNAM Mexico)</b> ↗<br><i>Investigador Post-doctoral, becario UNAM</i> ↗, Instrumentation Department   | <b>Postdoc Researcher</b><br>2 years          |
|             | ⇨ <b>Technical lead</b> of the GUIELOA curvature AO system<br>⇨ Co-I / High level requirements definition for RATIR & SASIR projects  |   |
| 2001 - 2005 | <b>Centre de Recherche Astronomique de Lyon (CRAL)</b> ↗<br><i>Doctorant, boursier MENRT, AIRI Team</i>   | <b>PhD Student</b><br>4 years                 |
|             | ⇨ <b>Full implementation</b> of the ATTILA experiment: ATmospheric Tilt LAB<br>⇨ <b>Detector characterization</b> (novel electron-multiplying CCD)<br>⇨ <b>Supervision</b> of several engineering students  |   |
| 2001        | <b>Institut de Planétologie et d'Astrophysique de Grenoble (IPAG)</b> ↗<br><i>Stagiaire</i> at IONIC team, in collaboration with the CEA/LETI   | <b>Intern</b><br>4 months                     |
|             | ⇨ <b>Characterization</b> of integrated optics beam (3-telescope) combiners   |   |
| 1999 - 2000 | <b>University of Utah Physics Department, USA</b> ↗<br><i>RA, Graduate RA</i> at HiRes Collaboration  | <b>Research Assistant</b><br>1 year, 6 months |
|             | ⇨ <b>Full implementation</b> of a fiber-optic based calibration system for HiRes Fly's Eye ultra high-energy cosmic ray observatory.  |   |

## Community Service & Committees

|                                    |  |
|------------------------------------|--|
| <i>Referee</i>                     | Astrophysics & Instrumentation Journals: ApJ, AJ, RevMex, RAS (2011 - Present)<br>CONICYT/ALMA Fund (Confidential)   |
| <i>Committees</i>                  | PhD Defense committee - Jozua de Boer - Leiden Observatory, Netherlands (2018)<br>Gemini South CNTAC - National Time Allocation Committee (2014 - 2016)<br>PhD Defense committee - Jose Luis Aviles Urbola - INAOE, Mexico (2010)        |
| <i>Conferences &amp; Workshops</i> | SOC & LOC Member for the ALMA/ESO Workshop (May 2016)<br><u>Resolving planet formation in the era of ALMA and extreme AO</u><br>Chair/Organizer of the HCONIS-I (March 2012)<br><u>High CONTRast Imaging &amp; Spectroscopy</u>          |
| <i>at ESO</i>                      | Science Operations "Adaptive Optics Group" (AOG) Coordinator (2009 - Present)<br>Panel member for various projects reviews (SPHERE PAE, ERIS Phase A, AOF)<br>Active Participant / Speaker to Observatory Reviews and at an ESO Overview |

## Aeras of expertise & skills

|                                    |   |
|------------------------------------|---|
| Observing<br>& Operations          | <ul style="list-style-type: none"><li>↻ Large (&gt;900 nights) Science Operations experience at the <b>VLT</b>, Lick, SPM, CFHT, OHP</li><li>↻ <b>Commissioning &amp; Tests</b> of modes/instruments (AO/coronagraphs/LGS upgrades)</li><li>↻ Instruments <b>Calibrations Plans</b>, Procedures &amp; <b>Manuals</b> (NACO, SPHERE)</li><li>↻ Participation in proposals, strategy making and carrying out observations (countless)</li><li>↻ Expert: NACO ("guru"), SPHERE, HAWKI &amp; SINFONI.</li><li>↻ Certified: VIMOS, X-SHOOTER, CRIRES, MUSE, VISIR, KMOS &amp; FORS2.</li></ul> |
| Instrumentation                    | <ul style="list-style-type: none"><li>↻ High Level requirement definitions, system engineering / error budget</li><li>↻ Adaptive Optics, Image quality improvement (phase diversity) and assessment</li><li>↻ Optics (basic design, alignments, waveguides), Fourier analysis, basics of control and electronics, detector characterisation, trouble-shooting, etc.</li></ul>   |
| Computing                          | <ul style="list-style-type: none"><li>↻ Familiar with UNIX/Linux/OSX/Windows, L<sup>A</sup>T<sub>E</sub>X, some knowledge in C, html, etc.</li><li>↻ Conversent with interpreted languages (Python, Yorick, IDL) for data analysis and plotting</li></ul>   |
| Teaching                           | <ul style="list-style-type: none"><li>↻ 216h of Optics Th/Labs (IPN/ESFM, Mexico), 64h of Computer Labs (UCBL, France)</li><li>↻ Taught AO for several Postgraduate Programs &amp; Schools (Total of 12h)</li><li>↻ Coordinated the 1<sup>st</sup> internal AO Training for ESO/LPO Engineers &amp; Astronomers (16h)</li></ul>   |
| Supervizing Students               | <ul style="list-style-type: none"><li>↻ <b>2 PhD students</b> (Jos de Boer, Leiden-2018, Blake Pantoja, U.Chile-2019)</li><li>↻ 5 Master's and 6 Bachelor's students in engineering &amp; astronomy</li></ul>   |
| Project management<br>& Leadership | <ul style="list-style-type: none"><li>↻ Coordination of a JWST Working Group (internal at STScI and external efforts)</li><li>↻ Coordination of Instrument Operations Teams of VLT instruments (~ 15-25 people)</li><li>↻ Several PM trainings completed while at ESO</li><li>↻ PI/coI-ship of several funded/awarded projects (instrumentation/astronomy)</li></ul>  |
| "Soft" skills                      | <ul style="list-style-type: none"><li>↻ Team player, leader, motivator, good interpersonal, interaction &amp; communication skills</li></ul>  |

## References

|                         |  |
|-------------------------|--|
| AO & High Contrast      | <p><b>Dr. Dimitri Mawet</b>, Associate Professor &amp; High Contrast Expert<br/>California Institute of Technology (Caltech)<br/><a href="mailto:dmawet@astro.caltech.edu">dmawet@astro.caltech.edu</a></p>  |
| Science & Inst. Program | <p><b>Dr. Sascha Quanz</b>, Senior Scientist &amp; METIS Project Scientist<br/>Swiss Federal Institute of Technology (ETH Zurich), Institute for Astronomy<br/><a href="mailto:sascha.quanz@astro.phys.ethz.ch">sascha.quanz@astro.phys.ethz.ch</a></p>                          |
| Exoplanets & Disks      | <p><b>Dr. Anne-Marie Lagrange</b>, CNRS Research Director<br/>Institut de Planétologie et d'Astrophysique de Grenoble (IPAG)<br/><a href="mailto:lagrange@obs.ujf-grenoble.fr">lagrange@obs.ujf-grenoble.fr</a></p>  |
| Instrumentation         | <p><b>Dr. Matthew Kenworthy</b>, Associate Professor<br/>Leiden Observatory<br/><a href="mailto:kenworthy@strw.leidenuniv.nl">kenworthy@strw.leidenuniv.nl</a></p>   |
| Science Operations      | <p><b>Dr. Jean-Philippe Berger</b>, Astronomer &amp; former ESO VLTI Program Scientist<br/>Institut de Planétologie et d'Astrophysique de Grenoble (IPAG)<br/><a href="mailto:jean-philippe.berger@univ-grenobles-alpes.fr">jean-philippe.berger@univ-grenobles-alpes.fr</a></p> |
| ESO / Obs. Support      | <p><b>Dr. Christophe Dumas</b>, Observatory Scientist)<br/>Thirty-Meter Telescope Observatory Corporation (TMT) (Pasadena, CA)<br/><a href="mailto:cdumas@tmt.org">cdumas@tmt.org</a></p>  |
| Outreach                | <p><b>Dr. José Franco</b>, Director of Outreach at UNAM &amp; former IA-UNAM Director<br/>Dirección General de la Divulgación de la Ciencia (DGDC)<br/>Universidad Nacional Autónoma de Mexico (UNAM)<br/><a href="mailto:pepe@astro.unam.mx">pepe@astro.unam.mx</a></p>         |

## Selected Talks, Seminars & Coloquia

- 2018 | **STScI**: TIPS Talk Instruments Division (Baltimore, USA)  
JWST/NIRCam Coronagraphy
- **Leiden Observatory**: Lunch Talk (Leiden, Netherlands)
- 2017 | **Caltech**: JWST Proposal Planning Workshop (Pasadena, USA)  
Preparing a proposal with JWST Coronagraphy
- **EXOCLIPSE**: Contributed Talk (Boise, USA)  
Reaching a good contrast at small angles: high pace reference differential imaging
  - **LAM: Invited Review Colloquium** (Marseille, France)  
VLT(I) Adaptive Optics Review: Science Machines from NACO to SPHERE & beyond
  - **ESO Calibration Workshop**: Contributed Talks (Santiago, Chile)  
Adaptive Optics Metrics & QC Scheme  
SPHERE : Spectro-Polarimetric High-Contrast Exoplanet Research
- 2016 | **Caltech**: Exoplanet Group Meeting Talk (Pasadena, USA)
- **TMT HQ**: General Seminar (Pasadena, USA)  
Ground based high contrast exploration of exoplanets & their formation site
  - **Leiden Observatory**: Colloquium, (Leiden, Netherlands)  
Exoplanet Exploration from the Ground
- 2015 | **ESO HQ** ESO Adaptive Optics Prospective Meeting (Garching, Germany)  
The VLT AO Systems & LGS
- **IPAG** Exoplanets Group's Seminar (Grenoble, France)  
High contrast & Interferometric pathfinder search around Luhman 16AB
  - **ESO Overview** Talk (Chile / Germany)  
Paranal stories, small actions, big outcome!
- 2014 | **IA-UNAM Instituto de Astronomía: Invited Coloquium** (D.F., Mexico)  
High Contrast & High Angular Resolution Astronomy: Past, Present, Future
- **Santander International Summer School: 2 Invited Lectures** (Santiago, Chile)  
The VLT Adaptive Optics Systems & LGS  
The Adaptive Optics "zoo": SCAO, GLAO, MCAO, XAO, LTAO, MOAO...
  - **SPIE Adaptive Optics Systems IV**: Contributed Talk (Montreal, Canada)  
NACO, an on-going history: scientific demand & astrometric calibration through the years
  - **STScI**: High Contrast Group Meeting Talk (Baltimore, USA)  
Direct imaging and interferometric followup of our closest low-mass stellar neighbors
  - **CALAN U. de Chile** Star Formation Group: **Invited Seminar** (Santiago, Chile)  
Star & Planet Formation at High Contrast, from the Ground
- 2013 | **ETH** Institute of Astronomy: Invited Talk (Zurich, Switzerland)  
High Contrast & High Angular Resolution Astronomy: Past, Present, Future
- Joint **ALMA/ESO** Workshop, (Santiago, Chile)  
UT4 "Yepun": Past, Present & Future an Adaptive Adventure
- 2012 | **SPIE Adaptive Optics Systems III**: Contributed Talk (Amsterdam, Netherlands)  
Image Quality & High Contrast Improvement on VLT/NACO
- **ESO Observatory Review**: Invited Talk, (Paranal Observatory, Chile)  
AGPM 4-micron "vortex" Coronagraph on VLT/NACO: SPHERE before SPHERE
  - **AURA/Gemini/CTIO: Invited Coloquium** (La Serena, Chile)  
Improvement on VLT/NACO and AO activities on Paranal

## Selected Talks, Seminars & Coloquia (cont.)

|      |  |
|------|--|
| 2011 | <b>IA-UNAM Instituto de Astronomía:</b> Instrumentation Seminar (D. F., Mexico)<br><u>HAR techniques at the VLT: direct detection of exoplanets</u>    |
| 2010 | <b>ESO Chile Instrument Scientist Talk</b> , (Santiago, Chile)<br><u>NACO, VLT/UT4 AO-fed NIR Imager &amp; Spectrometer and more</u>                   |
| 2008 | <b>INAOE Guillermo Haro Workshop</b> "Science with SASIR", (Puebla, Mexico)<br><u>Adaptive Optics Follow-ups &amp; Future AO facilities</u>            |
| 2007 | <b>Keck Telescope Headquarters</b> (Waimea, Hawaii, USA)<br><u>Polychromatic approach to visible AO &amp; GUIELOA, Mexican AO system</u>               |
| -    | <b>CfAO:</b> Center for Adaptive Optics (Santa-Cruz, USA)<br><u>Full sky visible AO observations &amp; HAR panorama in Mexico</u>                      |
| -    | <b>CRyA-UNAM</b> ( <i>Centro de Radioastronomía y Astrofísica</i> ) (Morelia, México)  |
| 2006 | <b>Instituto de Astronomía</b> (IA-UNAM, Distrito Federal, Mexico)   |
| -    | <b>LNA</b> ( <i>Laboratorio Nacional de Astrofisica Invited Colloquium</i> ) (Itajuba, Brazil)   |
| -    | <b>Stockholm Observatory</b> Astronomy Department Seminar (Stockholm, Sweden)<br><u>Experimental progress towards full sky visible AO observations</u> |

## Supervising & Mentoring Students

|               |  |
|---------------|--|
| 2015- Present | PhD co-Director with Dr James Jenkins (U. de Chile/ESO)<br><b>Blake Pantoja:</b> <i>From brown dwarfs to exoplanets, the missing link between radial velocity and direct imaging</i> (2019)                      |
| 2013- 2017    | PhD co-Director with Dr Christoph Keller (Leiden U./ESO)<br><b>Jozua de Boer:</b> <i>High Contrast Imaging of Protoplanetary Disks</i> (Defended Jan 2018)   |
| 2014- 2015    | Bachelor's Thesis co-Director with Dr Daphne Stam@tudelft.nl (T.U. Delft/ESO)<br><b>Rob van Holstein:</b> <i>Accurate high-contrast imaging polarimetry with SPHERE/IRDIS</i>                                    |
| 2013          | Master's Project Director (T.U. Munich/ESO)<br><b>Elisabeth Brunner:</b> <i>Estimation of the atmospheric coherence time with FADE</i>   |
| 2012- 2014    | Master's Internship and sub-contract Mentor/Director(X-Polytechnique/PUC/ESO)<br><b>Martin Tourneboeuf:</b> <i>Development of an Image Quality assessment Tool, Strehl Meter</i>                                 |
| 2012          | Master's Instrumentation project co-Director with Dr Dimitri Mawet (U. Liege/ESO)<br><b>Valentin Christiaens:</b> <i>Improving the NACO image quality (PSF) thanks NCPA compensation and via phase diversity</i> |
| 2011          | Undergraduate Co-mentor/Director with Dr. Petr Kabath (T.U. Munich/ESO)<br><b>Felix Rucker:</b> <i>Stellar variability survey in the OGLE2-TR-L9b field &amp; exoplanet transits</i>                             |
| 2009          | Undergraduate Student in Physics: mentor ( <i>ESFM-IPN</i> , Mexico)<br><b>Jurij Mendoza Valencia:</b> <i>Roddier curvature technique and actives optics</i>   |
| 2004          | Graduate Student Mentor, Master in Physical Engineering ( <i>INP Grenoble</i> )<br><b>Xavier Rondeau:</b> <i>High Angular Resolution in Astronomy</i>  |
| 2004          | Graduate Student Mentor, Master in Electrical Engineering ( <i>INSA Lyon</i> )<br><b>Belkacem Aberache:</b> <i>Optimization of a pendular seismometer.</i>   |
| 2003          | Graduate Student Mentor, Master in Electrical Engineering ( <i>INSA Lyon</i> )<br><b>David Grenet:</b> <i>Study of a pendular seismometer to track telescope vibrations.</i>                                     |
| 2003          | Undergraduate Student Mentor, Bachelor in Electrical Engineering ( <i>I.U.T Lyon</i> )<br><b>Thierry Jacquemin:</b> <i>Positioning control of a pendular seismometer.</i>  |

## Honors, Awards & Grants

|                |   |
|----------------|---|
| 2015 - Present | <b>Affiliate Researcher</b> (IPAG, Grenoble)  |
| 2013 - present | <b>Principal Investigator</b> for ESO VLT-VLTI programs: ~ 147h of 8.2m telescope (equivalent to ~ €400-600k worth in operational cost) |
| 2015-2016      | <b>1-year ESO PhD Studentship (for Blake Pantoja ~ €21,000</b>  |
| 2014           | <u>ESO DGDF Grant PI: €2600 (Science Leave)</u>   |
| 2013-2014      | <b>2-year ESO PhD Studentship (for Jos de Boer ~ €45,000</b>  |
| 2012           | <b>Exceptional Performance Award (ESO)</b><br><u>ESO DGDF Grant PI: €4600 (Student Internship + overseas travel)</u>                    |
| 2009           | <b>SNI Nivel I</b> (Mexico's <i>Sistema Nacional de Investigadores</i> )  |
| 2009           | <u>ICyTDF Grant co-I: \$MXN 550k /\$USD 40k (robotize the OAN 84cm telescope)</u>   |
| 2006-2008      | <u>Beca postdoctoral (Postdoc UNAM Fellowship) (UNAM, Mexico)</u>   |
| 1999-2000      | <u>Graduate Research Assistantship (University of Utah, USA)</u>  |
| 2001-2004      | <u>Bourse d'Études Doctorales M.E.N.R.T (French Government)</u>   |
| 1998-1999      | <u>Bourse d'Étude de la Région Rhône-Aples (French Government)</u>  |

## Language Proficiency

|                |               |                   |                       |
|----------------|---------------|-------------------|-----------------------|
| <i>French</i>  | Mother tongue | <i>Portuguese</i> | Limited               |
| <i>English</i> | Fluent        | <i>German</i>     | Limited (high school) |
| <i>Spanish</i> | Fluent        |                   |                       |

## Science communication & Outreach: selected media/social appearances

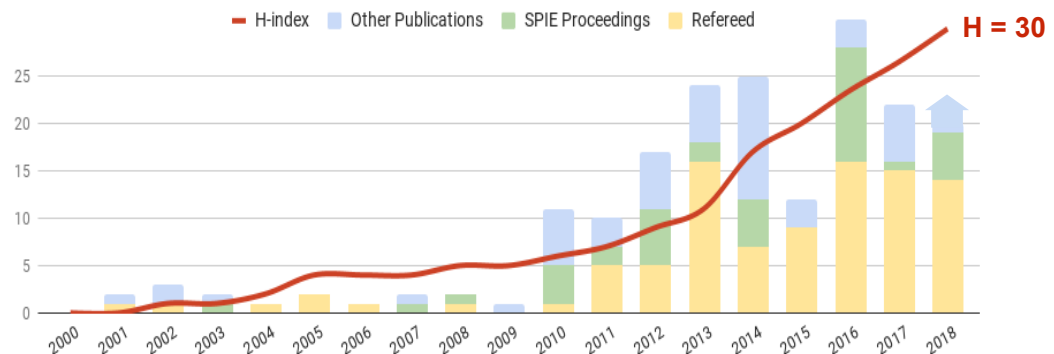
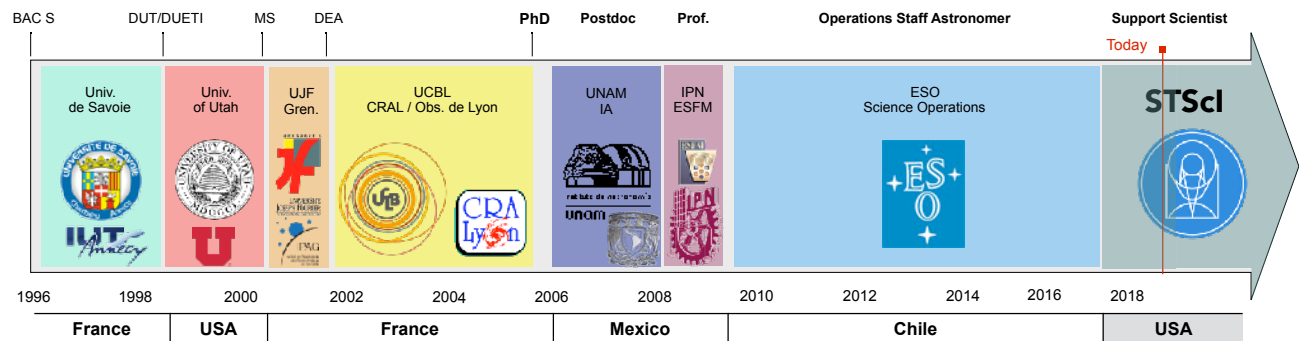
|                         |  |
|-------------------------|--|
| <i>Events</i>           | <ul style="list-style-type: none"> <li>⇨ <i>First Noche de las Estrellas</i><sup>↗</sup>: National Committee Member (Mexico: 2009)</li> <li>⇨ <b>CosmoWiki</b> Initiator with A. Farah Simón (Platform to link Amateur &amp; Pro astronomers)</li> </ul>   |
| <i>Organization</i>     | <ul style="list-style-type: none"> <li>⇨ <i>Ella es Astrónoma</i><sup>↗</sup> Photo Exhibition for the <b>She's an Astronomer</b><sup>↗</sup> IAU Corner Stone Project (2009, International Year of Astronomy): Curator (Photographer: Robin Cerutti)</li> </ul>   |
| <i>Outreach Talks</i>   | <ul style="list-style-type: none"> <li><i>Planetario de Playa del Carmen "SAYAB"</i> Invited Talk (Mexico, Jan 2016)</li> <li>⇨ <i>"800 noches en el desierto de Atácama"</i> (Spanish, 50 min)</li> <li><i>Gemini South's AstroDay</i> Public Talk (Chile, Jan 2010)</li> <li>⇨ <i>"Hoy, 2010 la astronomía, en Chile"</i> (Spanish, 40 min)</li> <li><i>Lycée Franco-Mexicano</i> Public Talk (Mexico, 2009)</li> <li><i>Museo de la Luz</i> Invited Talk (Mexico, 2009)</li> <li>&amp; many schools (Mexico, 2008-2009)</li> <li>⇨ <i>"Hoy, la astronomía, en Mexico"</i> (Spanish/French, 40 min)</li> </ul>                           |
| <i>Television/Radio</i> | <ul style="list-style-type: none"> <li>⇨ <i>Des Nouveaux Mondes Par Milliers</i> (EOL Prod, Science&amp;Vie TV, 52' Documentary, 2015)</li> <li>⇨ <i>Radio France International (RFI)</i> Interview (French, C. Martin, 2015)</li> <li>⇨ <i>Globo News: mainstream News (Brazil, 9' Subject, N., 2014)</i></li> <li>⇨ <i>Journal de 20h de France 2: mainstream News (France, 4' Subject, N. Chateaufeuf, 2013)</i></li> <li>⇨ <i>Tele13 en Terreno: Chile y el mayor telescopio del Mundo:</i> (Chile, 6' Subject, M. Puigredón, 2013)</li> <li>⇨ <i>World Space Week Podcast</i><sup>↗</sup> (New-Zealand, H. Mogosanu, 2011)</li> </ul> |
| <i>Press</i>            | <ul style="list-style-type: none"> <li>⇨ <i>Radio France International (RFI) &amp; The Good Life</i> Articles (French, C. Martin, 2015)</li> <li>⇨ Appearance in Book Chapter "The Milky Way" (English, Gary Fildes, 2016)</li> <li>etc.</li> </ul>  |
| <i>Social</i>           | <ul style="list-style-type: none"> <li><b>Cosmic Diary</b> blog hosted by the SETI Institute<sup>↗</sup> Scientist/contributor (2012 - )</li> <li><b>ESO Photo Ambassador</b><sup>↗</sup> (2012-)</li> </ul>   |

# Collaborations, Professional Memberships

|                                |  |
|--------------------------------|--|
| Main Scientific Collaborations | <b>NACO Filler Survey</b> (PI: Girard, ESO, 40h, 2013 - 2016)                          |
|                                | <b>NACO GTO</b> : Invited Member (PI: Launhardt, MPIA, 100 nights, 2015-2019)          |
|                                | ↳ <b>ISPY Survey</b> : Exoplanets  |
|                                | <b>SPHERE GTO</b> : IPAG Affiliate Scientist (PI: Beuzit, IPAG, 300 nights, 2014-2019) |
|                                | ↳ <b>SHINE Survey</b> : Exoplanets   |
|                                | ↳ <b>Disk Group</b> : Debris & Protoplanetary Disks                                    |
|                                | <b>SHARDDS Project</b> : External Collaborator (PI: J. Milli, Liège, 2014 - 2016)      |
|                                | <b>VORTEX Project</b> ✈: External Collaborator (PI: O. Absil, Liège, 2014 - 2016)      |
| Societies                      | <b>IAU</b> : International Astronomical Union Individual Member (2011 - present)       |
|                                | <b>AAS</b> : American Astronomical Society Full Member(2017 - present)                 |
|                                | <b>SPIE</b> : International Society for Optical Engineering (2008 - 2011)              |
|                                | <b>SF2A</b> ( <i>Société Française d'Astronomie et Astrophysique</i> ) (2001 - 2005)   |
| Networking                     | "Direct Imaging Group" (DIG) co-founder and active member (2012)                       |
|                                | <b>Adaptive Optics</b> facebook group✈ Founder/Admin, 136 pro. members (2013 - )       |

# Publication Record: Summary

Here is a graphical representation of my academic career and how my publication record evolved through the years. Note, the dramatic increase since 2010, after moving from R&D to operations and observational astronomy:



Please, view my full [publication record](#) interactively on [NASA/ADS](#) (94 accepted referred articles✈, 3267 citations, H-index=30), on [Google Scholar](#) (4286 citations, H-index=33) or the attached PDF version (September 17<sup>th</sup> 2018).