

CURRICULUM VITAE

PERSONAL DATA

FAMILY NAME	Ricci	FIRST NAME	Claudio
NATIONALITY	Italian	PLACE OF BIRTH	Rome
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RESEARCH INTERESTS

Supermassive black holes, Active Galactic Nuclei (AGN) physical structure and kinematics, AGN evolution and surveys, high-energy astrophysics, high-resolution X-ray spectroscopy, simulations of reprocessed X-ray radiation (ray tracing), heavily obscured AGN, Luminous and Ultra-luminous infrared galaxies and mergers, Cosmic X-ray background.

RESEARCH EXPERIENCE

May 2025 – Present	Associate professor at the Department of Astronomy, University of Geneva, Geneva, Switzerland
Jan. 2024 – Present	Scientific Editor for the AAS journals
Mar. 2018 – Present	Long-term visiting professor at the Kavli Institute for Astronomy and Astrophysics, Peking University, Beijing, China; Affiliated faculty at the Dept. of Astronomy George Mason University, Fairfax, USA
Aug. 2021 – April 2025	Associate professor at the Institute of Astrophysical Studies, Universidad Diego Portales, Santiago, Chile;
Mar. 2018 – Aug. 2021	Assistant professor at the Institute of Astrophysical Studies, Universidad Diego Portales, Santiago, Chile;
Apr. 2016 – Mar. 2018	China-Conicyt fellow at the Institute of Astrophysics Pontificia Universidad Catolica de Chile Santiago, Chile;
Feb. 2015 – Mar. 2016	Postdoctoral fellow at the Institute of Astrophysics, Pontificia Universidad Catolica de Chile Santiago, Chile.
Dec. 2012 – Dec. 2014	JSPS fellow at the Dept. of Astronomy, Kyoto University, Kyoto, Japan.
Jan. 2012 – Oct. 2012	ASTRO-H postdoctoral fellow at the Dept. of Astronomy, University of Geneva, Geneva, Switzerland.
Jan. 2008 – Dec. 2011	Ph.D in astrophysics at the Dept. of Astronomy, University of Geneva, Geneva, Switzerland.

EDUCATION

- Jan. 2008 – Dec. 2011 **Ph.D in astrophysics** at the Dept. of Astronomy, University of Geneva, Geneva, Switzerland
Thesis title: *Active Galactic Nuclei at hard X-ray energies: Absorption, Reflection and the Unified Model.*
Grade: Très bien (highest grade).
- Sep. 2005 – Oct. 2007 **Master in Astrophysics** at Rome University *La Sapienza*, Rome, Italy and at the University of Geneva, Switzerland.
Thesis title: *Multiwavelength study of the active galaxy IGR J21247+5058.*
Grade: 110/110 cum laude.
Exam's grade average: 29.9/30. Rank: first of my class.
- Sep. 2002 – Sep.2005 **Bachelor in physics** at Rome University, *La Sapienza*, Rome, Italy.
Thesis title: *Globular cluster systems in galaxies.*
Grade: 110/110 cum laude.

RECENT CONFERENCES AND SEMINARS

- Jan. 2025 **Invited seminar** at Osaka University
Osaka, Japan
- Jan. 2025 **Invited colloquium** at the Kavli Institute for Astronomy and Astrophysics
Beijing, China
- Jan. 2025 Colloquium at the Institute of Astronomy & Astrophysics, Academia Sinica
Taipei, Taiwan
- Oct. 2024 **Invited review talk** at the *22 years of INTEGRAL: catching results and discoveries* workshop
Madrid, Spain
- Oct. 2024 **Invited talk** at the *X-ray Horizons 50 mas Imaging Workshop* workshop
Online
- Jul. 2024 Contributed talk at the *Catching supermassive black holes with Rubin-LSST: Towards novel insights and discoveries into AGN science* meeting
Turin, Italy
- Jul. 2024 **Invited review talk** at the *Solving the Accretion/Ejection Puzzle in AGN* event, COSPAR 2024
Busan, South Korea
- Jul. 2024 **Invited review talk** at the *Spectral/timing properties of AGN: theory and observations* event, COSPAR 2024
Busan, South Korea
- Jul. 2024 **Invited seminar** at the Observatory of Rome
Rome, Italy
- Jun. 2024 **Invited talk** at the *Latin American Conference on Astrophysics and Relativity* conference
Bogota, Colombia

- May. 2024 **Invited review talk** at the *first Nordic Meeting on Neutrino and Radio Astronomy*
Gothenburg, Sweden
- Oct. 2023 Contributed talk at *Multi-wavelength AGN Structure and Cosmological Applications* conference
Nice, France [online]
- Jun. 2023 **Invited review talk** at *The restless nature of AGN: 10 years later* conference
Naples, Italy
- Jun. 2023 **Invited talk** at the *X-ray Universe 2023* conference
Athens, Greece
- Dec. 2022 Colloquium at the Max Planck Institute for Radio Astronomy
Bonn, Germany
- Dec. 2022 **Invited review talk** at the *Torus workshop 2022*
Leiden, Netherlands
- Dec. 2022 **Invited talk** at the *SKIRT days* workshop
Ghent, Belgium
- Nov. 2022 **Invited talk** at the *4th Chile-Japan Academic Forum*
Puerto Varas, Chile
- Oct. 2022 **Invited lecture** on AGN at the *VLT High angular resolution Observations Workshop*,
ESO Santiago, Chile
- Aug. 2022 **Invited talk** at the *NICER 2022 workshop*
- Jul. 2022 **Invited review talk** at the *Twenty years of AGN discoveries with space observations: main results and perspectives on AGN in the high-energy sky* event, COSPAR 2022, Athens, Greece
- Jul. 2022 Contributed talk at the *Spectral/Timing/Polarimetry Properties of AGN: Theory and Observations of the Inner Workings in these Objects* session
COSPAR 2022, Athens, Greece
- Jun. 2022 **Invited Colloquium** at the National Observatory
Athens, Greece
- Jun. 2022 **Invited review talk** at the *Ten Years of High-Energy Universe in Focus* conference, Cagliari, Italy
- Jun. 2022 **Invited talk** at the *Black hole accretion under the X-ray microscope* conference, Madrid, Spain
- Apr. 2022 **Invited talk** at the *SDSS-V Second Chilean meeting*
- Oct. 2021 **Invited colloquium** at Tel Aviv University, Tel Aviv, Israel
- Oct. 2021 **Invited colloquium** at the University of Southampton, Southampton, UK
- Jun. 2021 Contributed talk at the *The Transient Universe Symposium* of the EAS21,
Leiden, Netherlands
- Jun. 2021 Contributed talk at the *Black holes under the magnifying glass of XRISM and Athena* Special session of the EAS21, Leiden, Netherlands
- Mar. 2021 **Invited colloquium** at the Universidad de Valparaiso, Valparaiso, Chile
- Mar. 2021 Contributed talk at the *Theseus workshop*
- Dec. 2020 **Invited talk** at the *Chilean Astronomical Society National meeting*

- Dec. 2020 Contributed talk at the *Supermassive black holes: Formation, growth and evolution* conference [online]
- Nov. 2020 **Invited colloquium** at the *Astronomical Institute of the Czech Academy of Sciences*
Prague, Czech Republic
- Oct. 2020 **Invited colloquium** at *Institute of Institute of Astronomy, Geophysics and Atmospheric Sciences, University of Sao Paulo*
Sao Paulo, Brazil
- Jul. 2020 **Invited talk** at the *First Latin American Conference on Astrophysics and Relativity* conference [postponed],
Bogota, Colombia
- May 2020 **Invited colloquium** at Cambridge University,
Cambridge, UK
- Jan. 2020 **Invited Colloquium** at Osaka University, Osaka, Japan
- Jan. 2020 Contributed talk at the *Tidal Disruptions in Kyoto: Confronting Theory with Observations* conference,
Kyoto, Japan
- Nov. 2019 **Invited talk** at the CASSACA annual workshop,
Santiago, Chile
- Oct. 2019 **Invited talk** at the *IAU Symposium: Nuclear Activity in Galaxies Across Cosmic Time*
Addis Ababa, Ethiopia
- Sep. 2019 **Invited colloquium** at the Observatory of Roma, Roma, Italy
- Sep. 2019 **Invited colloquium** at the Scuola Normale, Pisa, Italy
- Sep. 2019 **Invited talk** at the *X-ray Astronomy 2019 – Current Challenges and New Frontiers in the Next Decade* conference
Bologna, Italy
- Jun. 2019 **Invited talk** at the *Supermassive Black Holes: Environment and Evolution* conference
Corfu, Greece
- Feb. 2019 **Invited talk** at the *INTEGRAL looks AHEAD to Multimessenger astronomy* workshop
Geneva, Switzerland
- Jan. 2019 Contributed talk at the *East Asia AGN* workshop
Taipei, Taiwan
- Jan. 2019 **Invited talk** at the *X-ray Surveys of the Hot and Energetic Universe* conference; Harbin, China
- Dec. 2018 **Invited review talk** at the *Torus workshop 2018*
Puerto Varas, Chile
- Oct. 2018 Contributed talk at the *Chilean Astronomical Society National meeting*
La Serena, Chile
- Jul. 2018 **Invited colloquium** at the National Astronomical Observatory of,
China/CAS Beijing, China

- Jul. 2018 **Invited review talk** at the *AGN X-ray Surveys: Soft to Hard and Deep to Wide*
at the COSPAR Scientific Assembly 2018
Pasadena, USA
- Jul. 2018 Lunch talk at the Kavli Institute for Astronomy and Astrophysics
Beijing, China
- Jan. 2018 **Invited talk** at the *BASS special session*
at the 231st Meeting of the American Astronomical Society
Washington DC, USA
- Dec. 2017 Contributed talk at the *Towards Science in Chile with LSST* workshop
Santiago, Chile
- Oct. 2017 **Invited talk** at the *INTEGRAL Symposium 2017*
Venice, Italy
- June 2017 **Invited talk** at the *Behind the curtains of dust II,
the molecular and multi-wavelength view
of activity in (U)LIRGs* workshop
Sexten, Italy
- June 2017 **Invited talk** at the *Elusive AGN in the next era* conference
Fairfax, USA
- May 2017 **Invited colloquium** at the Joint ALMA observatory,
Santiago, Chile
- Feb. 2017 **Invited colloquium** at the Department of Astronomy,
Xiamen University
Xiamen, China
- Feb. 2016 **Invited review talk** at the *X-ray View of Black Hole
Activity in the Local Universe* conference,
Zurich, Switzerland

OBSERVING TIME AS P.I.

A total of 1420 ks with *NuSTAR*, 785 ks with *XMM-Newton*, 28 nights with ground-based telescopes and 85 hours with ALMA.

- ★ 27 hours JWST during Cycle 4
- ★ 61 hours JWST during Cycle 4 (as co-PI)
- ★ 33 hours ALMA (priority B) during Cycle 10
- ★ 25 hours ALMA (priority A) during Cycle 8
- ★ 100 ks *NuSTAR* during AO7
- ★ 2 nights with the Magellan/MagE semester 2020B
- ★ 40 ks *NICER* during *NICER* AO-2
- ★ 100 ks *Swift* during *Swift* AO-16
- ★ 105 ks *NuSTAR* during *XMM-Newton* AO-19
- ★ 105 ks *XMM-Newton* during AO-19
- ★ 170 ks *XMM-Newton* during AO-19
- ★ 6 hours ALMA (priority A) during Cycle 7
- ★ 21 hours ALMA (priority B) during Cycle 7
- ★ 90 ks *NuSTAR* during AO5

- ★ 200 ks *NuSTAR* during AO5
- ★ 50 ks *NuSTAR* 2019 DDT
- ★ 2 nights with the Magellan/MagE semester 2019B
- ★ 90 ks *XMM-Newton* during AO-18
- ★ 100 ks *NuSTAR* during *XMM-Newton* AO-18
- ★ 100 ks *XMM-Newton* during AO-18
- ★ 4 nights with the SOAR/Goodman semester 2019A
- ★ 10 ks *Swift*/XRT 2018 DDT
- ★ 50 ks *NuSTAR* 2018 DDT
- ★ 50 ks *NuSTAR* 2018 DDT
- ★ 55 ks *XMM-Newton* 2018 DDT
- ★ 45 ks *XMM-Newton* 2018 DDT
- ★ 4 nights with the SOAR/Goodman semester 2018B
- ★ 1 night with the Magellan/MagE semester 2018B
- ★ 4 nights with the SOAR/Goodman semester 2018A
- ★ 200 ks *NuSTAR* during AO-4
- ★ 120 ks *XMM-Newton* during *NuSTAR* AO-4
- ★ 230 ks *NuSTAR* during AO-3
- ★ 100 ks *XMM-Newton* during AO-16
- ★ 215 ks *NuSTAR* during AO-2
- ★ 30 ks *NuSTAR* during AO-2
- ★ 10 nights with DuPont/B&C semester 2016A
- ★ 1 night with the Magellan Clay/LDSS3 during semester 2016A
- ★ 100 ks *Suzaku* during AO-8
- ★ 12 ks *Chandra* during AO-12
- ★ 1 Ms *INTEGRAL* data rights on 3C 190 during AO-6
- ★ 1 Ms *INTEGRAL* data rights on IGR J21247+5058 during AO-6

FUNDINGS OBTAINED AS PI

2024	SNSF Consolidator grant (5 years): 2,000,000 USD
2018–2024	Fondecyt & China-Chile postdoctoral funds: ~ 900,000 USD (as sponsor)
2023	China-Chile fund (2 years): 100,000 USD
2023	Fondecyt regular fund (4 years): 230,000 USD
2022	Gemini-Chile fund (2 years): 60,000 USD
2022	ESO-Chile comite mixto fund (2 years): 55,000 USD
2019	China-Chile fund (2 years): 45,000 USD
2019	ALMA-Conicyt fund (2 years): 76,000 USD
2019	Fondecyt Iniciacion (3 years): 130,000 USD
2019	NASA PI Grant: 85,000 USD
2019	NASA PI Grant: 65,000 USD
2017	CONYCIT PAI (3 years): 300,000 USD
2015	China-CONYCIT fellowship (2+1 years): 108,000 USD
2012	Grants-in-aid for scientific research (Kakenhi, 2 years): ~22,000 USD
2012	JSPS fellowship for foreign researchers (2 years): ~80,000 USD
2012	39th COSPAR Scientific Assembly travel grant: 1,100 USD
2011/2012	Swiss Astronomical Society travel grant: 2,200 USD

PROFESSIONAL AFFILIATIONS

- Co-founder and co-lead of the BAT AGN Spectroscopical Survey – (<http://www.bass-survey.com/>)
- *4MOST/Changes* collaboration. Lead of the T2LST working group.
- *LSST* collaboration – member of the AGN & transients working groups. Lead of the AGN follow-up working group
- *SDSS V* collaboration
- *Alerce* collaboration
- *NuSTAR* science team - member of the: i) *Extragalactic Surveys*, ii) *NuBAT*, iii) *AGN physics*, iv) *Obscured AGN* working groups
- GATOS *JWST* collaboration (<http://gatos.strw.leidenuniv.nl/>)
- GOALS collaboration (<https://www.ipac.caltech.edu/project/goals>)
- CONQUEST collaboration
- *Athena* science team
- Chilean *CTA* collaboration

TEACHING AND MENTORING EXPERIENCE

Teaching

2024/Sem. 2	Active Galactic Nuclei (PhD course), Universidad Diego Portales
2024/Sem. 1	Modern astronomy (PhD course), Universidad Diego Portales
2023/Sem. 2	General Astronomy (undergraduate course), Universidad Diego Portales
2023/Sem. 1	Active Galactic Nuclei (PhD course), Universidad Diego Portales
2022/Sem. 2	General Astronomy (undergraduate course), Universidad Diego Portales
2022/Sem. 1	Extragalactic Astrophysics (PhD course), Universidad Diego Portales
2021/Sem. 2	General Astronomy (undergraduate course), Universidad Diego Portales
2021/Sem. 1	Topics of Astrophysics (PhD course), Universidad Diego Portales
2020/Sem. 2	Topics of Astrophysics (PhD course), Universidad Diego Portales
2020/Sem. 2	General Astronomy (undergraduate course), Universidad Diego Portales
2020/Sem. 1	General Astronomy (undergraduate course), Universidad Diego Portales
2020/Sem. 1	Radiative processes in Astrophysics (PhD course), Universidad Diego Portales
2019/Sem. 2	General Astronomy (undergraduate course), Universidad Diego Portales
2019/Sem. 1	Extragalactic Astrophysics (PhD course), Universidad Diego Portales
2018/Sem. 2	General Astronomy (undergraduate course), Universidad Diego Portales

Postdocs

- 2024–now Supervision of Dr. Jacob Elford
(PhD 2024, Cardiff University, UK)
- 2024–now Supervision of Dr. Roberto Serafinelli
(PhD 2018, University of Rome La Sapienza, Italy)
- 2023–now Supervision of Dr. Arghajit Jana
(PhD 2019, Indian Centre for Space Physics, India)
- 2022–now Supervision of Dr. Yaherlyn Diaz
(PhD 2022, Universidad de Valparaiso, Chile)
- 2023–2025 Supervision of Dr. Elena Shablovinskaya
(PhD 2021, Special Astrophysical Observatory, Russia);
Now postdoc at Max Planck Institute for Radio Astronomy (Germany)
- 2021–2025 Supervision of Dr. Alejandra Rojas
(PhD 2019, Universidad Andres Bello/ESO, Chile);
Now faculty at Universidad Tecnica Federico Santa Maria (Chile)
- 2020–2024 Supervision of Dr. Matthew Temple
(PhD 2020, Cambridge University, UK);
Now postdoc at Durham University (UK)
- 2020–2022 Supervision of Dr. Taiki Kawamuro
(PhD 2017, Kyoto University, Japan);
Now faculty at Osaka University (Japan)
- 2019–2023 Supervision of Dr. Alessia Tortosa
(PhD 2017, Roma Tre, Italy)
Now postdoctoral fellow at the Osservatorio di Roma (Italy)

Students

- 2023–now PhD thesis of Ms. Sophie Venselaar (UDP, supervision)
- 2023–now PhD thesis of Ms. Kristina Kallova (UDP, supervision)
- 2021–2025 PhD thesis of Mr. Giorgos Dimopoulos (UDP, supervision)
From September 2025 NASA postdoctoral fellow at NASA Goddard (USA)
- 2020–2025 PhD thesis of Mr. Jeffrey McKaig (GMU/UDP, co-supervision)
From June 2025 NASA postdoctoral fellow at NASA Goddard (USA)
- 2018–2025 Master and PhD thesis of Mr. Li Ruancun (KIAA, co-supervision)
From September 2025 postdoc at MPE (Germany)
- 2019–2023 PhD thesis of Ms. Kriti Gupta (UDP, supervision)
Now a postdoctoral fellow at U. Liege/Ghent (Belgium)
- 2020–2022 PhD thesis of Ms. Melissa Bierschenk (GMU, co-supervision)
Now a PhD student at GMU (Solar Physics)
- 2018–2022 PhD thesis of Mr. Ryan Pfeifle (George Mason Univ., co-supervision)
Now NASA postdoctoral fellow at NASA Goddard (USA)
- 2016-2018 Undergrad research projects and bachelor thesis project of
Ms. Carolina Andonie (PUC; supervision)
PhD at Durham Univ., now postdoc at MPE (Germany)
- 2016/2017 Research project of Mr. Dusan Tubin (PUC; supervision)
Now PhD student at Potsdam University (Germany)

SERVICE TO THE COMMUNITY

- Referee for *Nature*, *Nature Astronomy*, *ApJ*, *ApJL*, *ApJS*, *MNRAS*, *A&A*, *Astrophysics and Space Science*.
- Reviewer for NASA satellites proposals
- Reviewer for *ASTROSAT* proposals
- Reviewer for the Chilean National Time Allocation Committee
- Member of the China-Chile joint committee [2020-2022]
- Reviewer for Telescope Access Program proposal (China)
- Reviewer for international funding schemes (Conicyt programs – Chile; *NuSTAR* Archive Research Opportunity – Italy; National Research, Development and Innovation Office – Hungary; National Science Center – Poland)
- Chair of the Special session *A new window into the innermost regions of radio-quiet AGN with mm continuum observations* at the EAS 2024 meeting, Padova
- Chair of the *Extreme supermassive black hole accretion* event at the COSPAR 2024 meeting, Busan, South Korea
- Chair of the Symposium *The many faces of accreting black holes* at the EAS 2021 meeting, Leiden
- Science Organising committee of the *China-Chile Astronomical* conference, Puerto Varas (2023)
- Science Organising committee of the *Active Galaxies and Quasars Reference Systems in the Gaia Era* conference, Paris (2020)
- Science Organising committee of the *Dual Nuclei in Late Stage Galaxy Mergers and their Effect on Galaxy Evolution* special session at the EWASS 2019 meeting
- Co-chair of the *Radio Galaxies: resolving the AGN phenomenon* focus meeting at the IAU General Assembly 2018
- Co-chair of the *Local hard X-ray selected AGN across the multi-wavelength spectrum* international workshop at ESO/Santiago
- Science Organising committee member of the *KIAA-PUC Bilateral Workshop on Active Galactic Nuclei and Galaxies* (2017)
- Co-chair of the *Radio Galaxies: resolving the AGN phenomenon* session at the 41st COSPAR meeting (Istanbul, Turkey). [The COSPAR meeting was cancelled because of a coup in Turkey a few weeks before it was supposed to take place].

SKILLS

Languages Italian (mother tongue)
 English (fluent)
 French (fluent)
 Spanish (fluent)
 Chinese (beginner)