

CURRICULUM VITÆ ET STUDIORUM**PERSONAL INFORMATION :**

Stefania Salvadori
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EDUCATION:

10/2009 **PhD in Astrophysics**, International School for Advanced Studies, Trieste, Italy
Thesis: *Stellar Archaeology: from first stars to dwarf galaxies*.
10/2005 **Admitted to the PhD course of SISSA/ISAS** with written and oral examination.
09/2005 **Master Degree in Physics**, University of Florence, Florence, Italy.
Thesis: *The merger history and stellar fossils of the Milky Way*
3-7/2003 **European Erasmus Grant Program**, Theoretical Physics department,
Universidad Autonoma and Universidad Complutense de Madrid, Madrid, Spain

POSITIONS:

05/2019— **Associate Professor**, Physics & Astronomy Department, Florence University
05/2017–05/2019 **Assistant Professor & Montalcini Fellow**, Physics & Astronomy Department,
Florence University, Italy.
09/2016–05/2017 **Marie Skłodowska-Curie Fellow**, GEPI, Observatoire de Paris, France.
11/2015–09/2016 **Observatoire de Paris Fellow**, GEPI, Observatoire de Paris, France.
11/2012–11/2015 **VENI Fellow**, Kapteyn Institute, Groningen, The Netherlands.
11/2009–11/2012 **NOVA Fellow**, Kapteyn Institute, Groningen, The Netherlands.
11/2005–10/2009 **PhD student**, SISSA/ISAS, Trieste, Italy.

CAREER BREAKS:

01/2017–05/2017 **Maternity Leave**

PRIZES, HONOURS, AND QUALIFICATIONS:

10/2023 Awarded the Italian National Scientific Qualification for Full Professor
06/2019 **Fiorino d'oro 2019**: major recognition by the City of Florence awarded for her
achievements in research
04/2019 **PRIN grant - Local Coordinator**: 3-years grant of ~180.000 euro awarded by the
Italian MIUR for the project “The Quest for the First Stars”.
07/2018 **ERC starting**: 5-years grant of 1.2 Million euro awarded by the European Research
Council for the project NEFERTITI: Near-FiEld cosmology Re-Tracing Invisible Times
03/2018 Awarded the Italian National Scientific Qualification for Associate Professor
05/2014 **Padrielli Prize 2014** (ex-aequo): Italian (INAF/SAIt) honour for young Italian
woman in Astronomy (3.000 €)
05/2012 **Speaker in Prof. Smoot's Master Class during the 62nd Nobel Laureate Meeting**
03/2012 Selected by the Royal Netherlands Academy of Arts and Science and the Scientific
Lindau Council to attend the 62nd Nobel Laureate Meeting dedicated to Physics
09/2011 **Gratton Prize 2011**: best Italian PhD Thesis in Astrophysics during 2009/10
evaluated by an international committee (7.500 €).

INDIVIDUAL GRANTS AND FELLOWSHIPS AWARDED:

- 07/2016 **Rita Levi Montalcini Prize**: 3-years Tenure Track Professorship granted by the Italian Ministry for Research and Education to bring back to Italy young promising researchers
- 08/2016 **AstroFit 2016**: 3-years independent Fellowship granted by the Marie Skłodowska-Curie COFUND action and the Italian National Institute for Astrophysics (INAF) – *declined* -
- 01/2016 **Marie Skłodowska-Curie Fellowship 2016**: 2-years personal grant funded by the European Commission to work at the Paris Observatory (173.000 €)
- 01/2015 **Observatoire de Paris Fellowship 2015**, Paris, France: 2-years independent Fellow
- 07/2012 **VENI grant 2012**: 3-years independent grant founded by the Netherlands Organization for scientific Research to work at the Kapteyn Institute of Groningen, NL (250.000 €)
- 07/2012 **AstroFit 2012**: 2-years independent grant co-founded by the Marie Curie Actions and the Italian National Institute for Astrophysics (INAF) – *declined* -
- 02/2009 **NOVA postdoctoral Fellowship 2009**: 3-years independent grant (≈ 235.000 €)
- 02/2009 **Sophie and Tycho Brahe Fellowship 2009**: 3-years independent fellow co-founded by the DARK Centre of Copenhagen and the University of Berkley – *declined* -
- 02/2009 **Max Planck Fellowship 2009**, Garching: 3-years independent fellow – *declined* –

OTHER GRANTS AWARDED AS CO-I:

- 07/2016 ANR: 4-years grant funded by the French National Agency of Research (PI: S. Vergani)
- 01/2015 KNAW and NOVA grants for conference organization (6.000 € and 5.500 € as PI)

CONFERENCES ORGANISATION:

- 05/2028 **MAIN ORGANIZER of the First Stars VIII conference (Chair of the SOC/LOC)**, which is happening every 4 years and will be hosted by the City of Florence
- 01/2023 **Co-proposer** with Dr. D'Odorico, Molaro, Cescutti, of the *IFPU Focus week*: “*Enigmatic first stars and where to find them*”, May 2023, Trieste, Italy
- 12/2022 **Invited SOC member for the ESO workshop: Metal Production and Distribution in a Hierarchical Universe – II**”, Santiago, Chile, Nov 27 - Dec 1 2023
- 09/2019 **Invited SOC member**, *CEMP Stars as Probes of First-Star Nucleosynthesis, the IMF, and Galactic Assembly*, 9-13 September 2019, Geneva, Switzerland
- 07/2018 **Invited SOC member**, *The Metal-poor Galaxy*, 3-7 July 2018, Ringberg, Germany (55 participants by invitation only)
- 11/2017 **Invited SOC member**, *Titans of the Early Universe*, 20-24 November 2017, Monash University Prato Centre, Italy (55 participants)
- 06/2015 **CHAIR of the SOC and the LOC**, *First stars, galaxies, and black holes: now and then*, 15-19 June 2015, Groningen University, Netherlands (115 participants)
<http://www.astro.rug.nl/archeocosmic/>
- 07/2013 **CO-CHAIR of the SOC** with Dr. M. Monelli, *Local Group, Local Cosmology* Symposium V of the European Week of Astronomy and Space Science 2013, 3-5 July 2013, Turku, Finland (40 participants) <http://www.iac.es/congreso/local2013>

OVERVIEW OF PUBLICATIONS:

79 refereed papers + 3 accepted + 1 submitted and 1 edited volume.
 11 first author's papers, 24 second-author and 10 as third author with advised PhDs/post-docs
 49 papers with ≤ 6 authors.
 Citations > 3728 (4753) according to NASA/ADS (Google Scholar)
 H-index: > 35 (38) according to NASA/ADS (Google Scholar)
46 papers published (+ 2 accepted + 1 submitted) **over the last 5 years** (2019-25) with **> 1379 citations** among which **2 as a first, 20 as a second, 7 as a third author**
Publications and bibliometric indexes are not a result of large collaborations.

INVITED TALKS :

More than 24 invited talks in international conferences and workshops during the last ten years, among which 5 invited reviews

- 06/2025 **Cosmic chemical enrichment: a tale of stars & galaxies** EAS Symposium S8, Cork, IE
REVIEW: *The First stars and first galaxies*
- 06/2025 **Modelling the First Billion Years** proposed EAS Session, Cork, Ireland.
Invited talk: *Chemical Evolution in the Early Universe*
- 01/2025 **First Stars in the JWST Era** Center for Astrophysics, Sesto, Italy.
Invited talk: *First stars' signatures: here and then*
- 09/2024 **ILR workshop, Osaka, Japan.**
Invited Talk: *First stars' signatures across cosmic times: implications and challenges*
- 08/2024 **Cosmic Dawn Revealed by JWST** KITP, Santa Barbara, US.
REVIEW: *First stars' signatures across cosmic times: implications and challenges*
- 03/2024 **Cosmic Threads: Interlinking the Stellar IMF from Star-birth to Galaxie**, Sexten, IT.
Invited Talk: *The IMF of the first stars*
- 01/2024 **Formation, Evolution and Signatures of Supermassive Stars** Versoix, Switzerland.
Invited talk: *First stars and their impact on the evolution of the Universe*
- 06/2023 **Phases of Galactic evolution traced by stellar populations & star clusters**, Sexten, IT.
Invited Talk: *The earliest times of the Local Group formation*
- 05/2023 **Enigmatic first stars and where to find them**, IFPU, Trieste, Italy.
Invited Talk: *Constraining the IMF of the first stars*
- 07/2021 **The mass of the first stars: Big vs Small?** Higgs Forum Centre, Edinburgh, UK – remote due to Covid-19. Introductory talk and chair of the discussion
- 03/2020 **FIRST STARS VI**, Conception, Chile.
Invited highlight talk: *Dwarf galaxies as a potential probe of the early Universe*
- 09/2019 **CEMP Stars: Probes of First-Star Nucleosynthesis, IMF, Assembly** Geneva, CH.
Invited talk: *Empirical probe of the first star IMF*
- 05/2019 **LXIII Conference of the Italian Astronomical Society, Rome, Italy**
REVIEW: *Stellar Archaeology at the service of Cosmology*
- 03/2019 **MOSAIC 2019: Science and Surveys with the ELT MOS**, Heidelberg, Germany.
Invited talk: *First stars and first galaxies*
- 03/2019 **15th Russbach School on Nuclear Astrophysics**, Salzburg, Austria. Invited Lecture:
Signatures of PopIII stars: from chemical abundances to gravitational waves
- 12/2018 **Stellar Archaeology as a Time Machine to the First Stars**, Tokyo, Japan.
Invited Focus talk: *Dwarf galaxies*
- 07/2018 **The Metal-poor Galaxy**, Ringberg, Germany.
Invited talk: *Identifying the descendants of (very) massive first stars*
- 11/2017 **Titans of the Early Universe**, Prato, Italy.
REVIEW: *Local constraints on the high-z Universe*
- 09/2017 **Italian conference of the astronomical Society**, Padova, Italy.
Invited talk: *Stellar Archaeology in and around the Milky Way*
- 08/2016 **First Stars V**, Heidelberg, Germany.
REVIEW: *The Local Fossils of the First Stars and Galaxies.*
- 06/2016 **The Cold Universe**, Kavli Institute for Theoretical Physics workshop, S. Barbara, US.
Invited talk: *Hints on early cosmic star-formation from Galactic archaeology*
- 04/2016 **Cosmic Reionization**, workshop at the MIAPP Institute, Garching, Germany
Invited Talk: *Dwarf galaxies: now and during reionization.*
- 07/2015 **The metal enrichment of diffuse gas in the Universe**, Sexten, Italy.
Invited talk: *Metal enrichment in the Local Group.*
- 04/2015 **The life and death of satellite galaxies**, Lorentz Centrum, Netherlands.
Invited talk: *Dwarf galaxies: metal polluters and reionization sources.*

- 10/2013 **Star-formation (laws) in galaxies**, Blaauw Symposium 2013, Groningen, NL.
Invited talk: *Metal-poor dwarf galaxies and DLAs: probing early cosmic star-formation.*
- 07/2013 **From Dwarfs to Giants: Irwin's travels in the Local Group and beyond**, Sexten, IT
Invited Talk: *Dwarf galaxies: now and then*
- 05/2012 **First Stars IV conference**, Kyoto, Japan.
Invited talk: *Ultra-faint dwarfs: fossil relics of the first galaxies*
- 12/2011 **Joint Theoretical Physics meeting**, University of Groningen, Netherlands.
Talk: *First stars signatures in the Milky Way*
- 09/2010 **JENAM 2010** – now EAS - Lisbon, Portugal
Talk: *Stellar archaeology: a cosmological view of dwarfs*

INVITED SEMINARS :

- 10/2024 **Bicocca University**, Milano, Italy.
Talk: *Uncovering the nature of the first stars with near- and far-field cosmology*
- 04/2024 **Padua University and Observatory**, Padua, Italy.
Talk: *The nature of the first stars: ultimate constraints from near-field cosmology*
- 10/2022 **Bologna University and Observatory**, Bologna, Italy.
Talk: *Near-Field Cosmology and the first stars*
- 10/2021 **Trieste Observatory**, Trieste, Italy.
Talk: *Near-Field Cosmology and the first stars*
- 01/2020 **Paris Observatory**, Meudon, France.
Talk: *Near-Field Cosmology and the mass distribution of the first stars*
- 05/2016 **Cambridge University**, Cambridge, United Kingdom.
Talk: *Early galaxy formation processes: clues from Near-Field Cosmology*
- 02/2016 **Stockholm University**, Stockholm, Sweden.
Talk: *First stars and galaxies: clues from Near-Field Cosmology*
- 02/2016 **Trieste Observatory**, Trieste, Italy.
Talk: *Early cosmic star-formation and metal enrichment*
- 04/2015 **Arcetri Observatory**, Florence, Italy.
Talk: *Looking for the chemical signatures of the first stars*
- 04/2012 **ASTRON/JIVE**, Dwingeloo, Netherlands
Talk: *The Milky Way laboratory: from Near- to Far-field Cosmology*
- 04/2012 **Kapteyn Astronomical Institute**, Groningen, Netherlands
Talk: *Near-field Cosmology and the infant Milky Way*
- 09/2011 **Rome Observatory**, Rome, Italy
Talk: *Stellar Archaeology in the Milky Way system*
- 10/2010 **Astronomical Institute**, Utrecht, Netherlands
Talk: *Feedback imprints in the Milky Way system*
- 11/2009 **Arcetri Observatory**, Florence, Italy.
Talk: *Stellar Archaeology: from first stars to dwarf galaxies*

INSTITUTIONAL RESPONSIBILITIES:

- 2025- **Member of the Group of the re-examination of the PhD School**, Florence University, Physics Department, Italy
- 2024- **Reference scientist** (nominated by the Director) for the headquarter of Department of Physics and Astronomy on the Arcetri Hill – Garbasso building
- 2024- **Member of the ERC Task Force for UNIFI** to support proposers from the University Florence in the ERC application, including both the proposal writing and the interview
- 2024- **Member of the PhD School**, Florence University, Physics Department, Italy

- 2024- **Member of the Group of the re-examination of the Master's degree**, Florence University, Physics Department, Italy
- 2024- **Member of the Committee "Conto Terzi"**, Florence University, Physics Department
- 2022- **Internal member of the PhD Committee 2022**, Florence University, Physics and Astronomy Department, Italy
- 2019 **Magini's Prize committee member** to evaluate for the best Master Thesis in Astrophysics awarded in an Italian University
- 2016 **PhD Thesis committee**, *Chemical evolution of galaxies: from the Local Group to the Local Universe*, Candidate: F. Vincenzo, Advisor: Prof. F. Matteucci, Trieste University, Italy. Referees: Dr. M. Marconi and Dr. S. Salvadori
- 2013 **Master Thesis committee**, *Origin of Super-massive Black Holes*, Candidate: C. Van Borm, Advisor: Prof. Dr. M. Spaans, Kapteyn Institute, Netherlands.
- 2012 **Bachelor Thesis committee**, *Primordial Disk Evolution, a timescale analysis*, Candidate: E. Schallig, Advisor: Prof. Dr. M. Spaans, Kapteyn Institutes, Netherlands.
- 10-12 **Co-organizer** (with Prof. Spaans, Dr. Cazaux, Dr. Podio) of the Monday Lunch Talk at the Kapteyn Astronomical Institute of Groningen, The Netherlands

TEACHING ACTIVITY:

Since 2024 I am teaching 120 frontal hours per year divided among Physics for Pharmacists at the Bachelor level (48 hours) and Master courses in Physics and Astronomy (72 hours)

- 2024 **PhD course**: *Stellar Archaeology*, Florence University, Italy.
 Profs: S. Salvadori and A. Skuladottir (18 hours in total)
- 2024- **Bachelor course for students in Pharmacy (CTF, Master in 5 years)**:
 Course: *Physics*, ~ 70 students per year, both written and oral exams
 Pharmacy Department, Florence University, Florence, Italy (48 hours in total)
 Profs: A. Verdini [24 hours] and S. Salvadori [24 hours]
- 2020- **Master course for students in Physics and Astrophysics**
 Course: *Cosmology*, ~ 15 students per year, only oral exams
 Physics Department, Florence University, Florence, Italy (48 hours in total)
 Profs: A. Marconi [24 hours] and S. Salvadori [24 hours]
- 2018- **Bachelor course for students in SFACQ**
 Course: *Physics*, ~ 30 students per year, both written and oral exams
 Pharmacy Department, Florence University, Florence, Italy (48 hours in total)
 Profs: A. Verdini [24 hours] and S. Salvadori [24 hours]
- 2017- **Master course for students in Physics and Astrophysics**:
 Course *First stars and first galaxies*, ~7 students, only oral exams;
 Physics Department, Florence University, Florence, Italy (48 hours)
- 2016/20 **Invited lectures for PhD students**: *Stellar Archaeology*,
 during the course "New Frontiers in Cosmology" by Prof. Andrei Mesinger
 and Prof. Andrea Ferrara, Scuola Normale Superiore, Pisa, Italy (4 hours)
- 04/2015 **PhD course** (for both PhD students in Astronomy and Physics):
Near-field cosmology: first stars and dark matter, Florence University,
 Italy. Teachers: E. Corbelli [dark matter] and S. Salvadori [first stars] (12 hours)
- 2013/11 **Lectures for Master and PhD students**: *First galaxies and feedback processes*, during
 the "Galaxy formation & evolution" by Prof. Tolstoy, Kapteyn Institute, NL (6 hours)

SUPERVISION OF POST-DOCS:

- 2022- **Supervision** of Dr. Ioanna Koutsouridou, Florence University, Italy
Status: 2 papers published as first author (7 in total) + 1 submitted, 1 in prep.
Role: project creator and daily advisor
- 23-24 **Co-supervision** of Dr. Romain Lucchesi (with Dr. Skuladottir), Florence University, IT
1 paper published as first author + 1 submitted (4 in total)
Role: project creator
Now postdoc at the University of Florence in the ERC StG TREASURE (PI: Skuladottir)
- 22-23 **Supervision** of Dr. David Aguado, Florence University, Italy
2 papers published as first author (5 in total)
Role: project creator and daily supervisor
Now Tenure Track at the IAC of Tenerife (Spain) and PI of an ERC starting grant
- 20-24 **Supervision** of Dr. Asa Skuladottir, Florence University, Italy
6 papers published as first author (22 in total)
Role: project creator and daily supervisor
Now Associate Professor at the University of Florence and PI of an ERC starting grant

SUPERVISION OF PhD STUDENTS:

During the last 5 years I have been the *main advisor* of 7 PhD students

- 2023- **Supervision** of a PhD student, Elka Rusta, University of Florence, Italy.
Advised with Prof. A. Marconi (UNIFI) and Dr. Viola Gelli (Dawn, Copenhagen).
Role: project creator and daily supervisor
Status: 1 paper *published*, 1 re-submitted, 1 in prep..
- 2023- **Supervision** of a PhD student, Lapo Querci, University of Florence, Italy.
Advised with Dr. Andrea Pallottini (SNS, Pisa)
Role: project creator and daily supervisor
Status: 1 paper *published*, 2 in prep.
- 2023- **Supervision** of a PhD student, Stefano Ciabattini, University of Florence, Italy.
Advised with Prof. Testi (UNIBO)
Role: project creator and daily supervisor
Status: 1 paper to re-submitted, 1 in prep.
- 2022- **Supervision** of a PhD student, Alice Mori, University of Florence, Italy.
Advised with Dr. Di Matteo (Paris Observatory)
Role: project creator and daily supervisor
Status: 1 paper published, 1 paper to re-submitted, 1 paper in prep.
- 2021- **Supervision** of the PhD student Irene Vanni, Florence University, Italy.
Role: project creator and daily supervisor
3 papers published as first author. *11 papers in total.*
Thesis: *The chemical signatures of the first stars: from near- to far-field cosmology*
PhD Thesis defended on January 2025. Evaluation: Excellent

- 2019-23 **Supervision** of the PhD student Martina Rossi, Florence University, Italy.
Advised with Dr. Asa Skuladottir (University of Florence)
Role: project creator and daily supervisor
2 papers published as first author, 3 papers as 3rd or 4th author.
Thesis: *First stars and dwarf galaxies*
PhD Thesis defended on October 2023. Evaluation: Excellent
Now post-doc at the University of Bologna (Advisors: Prof. Mucciarelli & Dr. Romano)
- 2019-23 **Supervision** of the PhD student Viola Gelli, Florence University.
Advised with Dr. Andrea Pallottini (SNS, Pisa)
Role: project creator and daily supervisor
Status: 4 published papers as first author (6 in total)
Thesis: *Dwarf satellite galaxies at high-z: physical understanding and JWST predictions*
PhD Thesis defended on May 2023. Evaluation: Excellent
Now Fellow at the DAWN center of Copenhagen, Denmark (Advisors: Prof. Mason)
- 2013-16 **Co-supervision** of a PhD student, Matteo de Bressan, Rome Observatory & Sapienza
Co-Advised with Dr. Raffaella Schneider (University of Florence)
Role: co-project creator and external supervisor (3 months visit in Groningen)
2 papers published as first author, 2 in total
Thesis: *Early cosmic star-formation in the Milky Way environment*
PhD Thesis defended on December 2016
- 2013-16 **Co-supervision** of the PhD student Asa Skuladottir, Kapteyn Institute, Groningen, NL
Co-Advised with Prof. Eline Tolstoy (University of Groningen, Kapteyn Institute)
Role: co-project creator and daily advisor.
3 papers published as first author
Thesis: *Early cosmic star-formation in the Milky Way environment*
PhD Thesis defended on April 2016

SUPERVISION OF MASTER STUDENTS:

During the last 5 years I have been the *main advisor* of 10 Master students

- 2024 **Supervision** of the Master student Elisa Torrigiani Malaspina, Florence University, Italy.
Thesis: *On the nature of satellite galaxies*
Defended on February 2025: 110/110 cum Laude.
- 2023 **Supervision** of the Master student Elka Rusta, Florence University, Italy.
Co-supervisor: Dr. Viola Gelli (UNIFI & Dawn Center of Copenhagen)
Thesis: *Interpreting the JWST's observations of the early Universe*
Defended on October 2023: 110/110 cum Laude. [Now PhD student @ UNIFI](#)
- 2023 **Supervision** of the Master student Lapo Querci, Florence University, Italy.
Co-supervisor: Dr. Andrea Pallottini (SNS, Pisa)
Thesis: *The stellar halo of present-day dwarf galaxies*
Defended on October 2023: 110/110 cum Laude. [Now PhD student @ UNIFI](#)
- 2023 **Supervision** of the Master student Stefano Ciabattini, Florence University, Italy.
Thesis: *The first habitable galaxies.*
Defended on April 2023: 110/110 cum Laude. [Now PhD student @ UNIFI](#)

- 2022 **Supervision** of the Master student Alice Mori, Florence University, Italy.
Main supervisor: Dr. Paola Di Matteo (Paris Observatory, France)
Thesis: *"Searching for the building blocks of our Galaxy: clues from N-body models"*
Defended on June 2022: 110/110 cum Laude [Now PhD student @ UNIFI](#)
- 2021 **Supervision** of the Master student Irene Vanni, Florence University, Italy.
Thesis: *The origin of extremely metal-poor stars.*
Defended on July 2021: 110/110 Cum Laude. [Now PhD student @ UNIFI](#)
- 2021 **Supervision** of the Master student Andrea Saccardi, Florence University, Italy.
Co-supervisor: Dr. Valentina d'Odorico (INAF/Trieste Observatory)
Thesis: *Chasing the signature of the first stars in high-z Lyman Limit systems.*
Defended on July 2021: 110/110 Cum Laude. [PhD awarded @ Paris Observatory](#)
Honourable Mention for the [Geppina Coppola Prize 2022](#)
- 2021 **Supervision** of the Master student Giulia Pagnini, Florence University, Italy.
Thesis: *The dearth of C-Enhanced metal-poor stars in the Galactic Bulge.*
Defended on April 2021: 110/110. [PhD awarded @ Paris Observatory](#)
- 2019 **Supervision** of the Master student Martina Rossi, Florence University, Italy.
Co-supervisor: Dr. Asa Skuladottir (UNIFI)
Thesis: *Constraining the Initial Mass Function of the first stars.*
Defended on October 2019: 110/110 Cum Laude – [PhD awarded@UNIFI](#)
- 2019 **Supervision** of the Master student Viola Gelli, University of Florence, Italy.
Co-supervisor: Dr. Andrea Pallottini (SNS, Pisa)
Thesis: *The stellar populations of high-z dwarf galaxies.*
Defended on September 2019: 110/110 Cum Laude – [PhD awarded@UNIFI](#)
Awarded [Geppina Coppola Prize](#) for the best Italian Master Thesis in Astrophysics during the years 2020-21 (out of 50 participants)

PROFESSIONAL EXPERIENCE

- 2025 – Coordinator – together with Prof. Fumagalli - of the working group **WG3** for the Italian **ANDES** team for **ELT**
- 2022 – Member of the international **ANDES** team for **ELT** – **WG2: Stars and Stellar populations** and **WG3: Galaxy formation and evolution and the intergalactic medium**
- 2022 – Member and co-proposer of the international **4DWARFS** survey
- 2016 – Member of the **Galactic Archaeology Survey Team for the WEAVE** spectrograph
- 2015 – Associated Member, INAF/Arcetri Observatory, Italy
- 2011 – Associated researcher at the *Cosmology Group*, Scuola Normale Superiore, Italy

REVIEWING ACTIVITIES

- 2024 – External reviewer for the **JWST Cycle 4 proposals**, US
- 2024 – Reviewer for the **Swiss National Science Foundation** (SNSF), CH
- 2023 – Reviewer for **faculty promotion**, Stockholm University, Physics Department, SE
- 2022 – External reviewer for **ERC starting proposals**, European Committee
- 2022 – Reviewer for **faculty promotion**, United Arab Emirates University, Physics Department
- 2021 – Reviewer for the **French National Agency of Research** (ANR), FR
- 2021 – Editorial Board, **Science Assistant Editor**, Memorie della Società Astronomica Italiana
- 2015- – Reviewer for MNRAS, A&A, ApJ, Nature

SUCCESSFUL NUMERICAL PROPOSALS:

- 2025 Querci (PI), Salvadori, Pallottini, **IS CRA-B project LASTP3 (2 Million CPU/hours):**
Uncovering the last pristine spots hosting Population III star formation
- 2025 **Salvadori (PI)**, Querci, Pallottini, Koutsouridou, **IS CRA-C project NEAR2FAR:**
From Near- to Far-field cosmology: uncovering early cosmic star formation
- 2025 Querci (PI), Sharda, Salvadori, Pallottini, **IS CRA-C project LowZPIII:**
The formation of the first stars at low redshifts
- 2025 Mori (PI), Mastrobuono, Salvadori, Di Matteo; **IS CRA-C project UFDsDNA:**
DNA of Ultra-faint Dwarf galaxies: uncovering Dark matter and Accretion events
- 2023 Querci (PI), Pallottini, Branca Salvadori; **IS CRA-C project UFD-SHF:**
UFD mergers: Stellar Halo Formation

Co-I SHIP IN SUCCESSFUL OBSERVATIONAL PROPOSALS (selection):

- 2024 D'Odorico (PI), **Salvadori** et al. UVES/VLT (5 hours): *Gas polluted by Pair-Instability Supernovae?*
- 2023 Skuladottir (PI), **Salvadori** et al. UVES/VLT (9 hours) DDT proposal: *True descendant of Pair-Instability Supernovae?*
- 2023 Aguado (PI), Skuladottir, **Salvadori** et al. UVES/VLT (10 hours): *Unveiling the Chemical Imprint of Pair-Instability Supernova*
- 2023 Jacobsson (PI), Aguado, Skuladottir, **Salvadori** et al. FIES/NOT (2 nights): *PISN-explorer hunting the descendants of massive first stars.*
- 2022 Skuladottir (PI), **Salvadori** et al. VLT/UVES (7.0 hours): *C-enhanced metal-poor star in the Sculptor dSph galaxy*
- 2021 Carniani (PI) et al. with **Salvadori**, JWST Cycle 1 (21.3 Primary Spacecraft hours): *Galaxy assembly at $z > 6$: unraveling the origin of the spatial offset between the UV and FIR Emission*
- 2020 Skuladottir (PI), Amarsi, and **Salvadori** VLT/UVES (6 nights):
Are CEMP stars carbon-enhanced? First stars revisited in light of 3D non-LTE
- 2018 Tolstoy (PI) et al., (including **Salvadori**) VLT/FLAMES-XShooter (12 nights):
VLT follow-up of individual RGB stars with Gaia DR2 proper motion in 4 nearby dwarfs
- 2017 Monelli M. (PI) et al., (including **Salvadori**) HST Cycle 25 General Observer time: *Challenge to dSph formation models: are the most isolated Local Group dSph galaxies truly old?*
- 2016 Spite (PI), Caffau, Spite, **Salvadori**, Françoise, ESO X-Shooter 12h: *A CEMP star in the Pisces II dwarf galaxy: pristine CEMP-no or result of an AGB evolution ?*
- 2015 Gallart (PI) et al. Hubble Space Telescope Cycle 23 General Observer time: *The lowest mass galaxies with extended star formation history: a new cosmological challenge*
- 2014 Karman (PI), Diaz, Ryan-Weber, Caputi, Crighton, **Salvadori**, Ouchi, MUSE, *The origin of intergalactic metal absorption at $4.7 < z < 6$ with MUSE: 11 systems in one shot*
- 2013 Tolstoy (PI), Hill, Skuladottir, Starkenburg, Pettini, **Salvadori**, VLT/UVES 3h, *The first carbon-rich metal-poor star in the Sculptor dSph?*
- 2013 Tolstoy (PI), Hill, Pettini, **Salvadori**, Skuladottir, ESO VLT/FLAMES 20h, *Connecting present-day dwarf galaxies and high-redshift DLAs*
- 2012 **Salvadori (PI)**, Tolstoy, Ferrara, VLT/UVES, *Missing baryons: searching for hidden gas in the faintest dwarf galaxy*
- 2011 Tolstoy (PI), Hill, Pettini, **Salvadori**, Skuladottir, Lemasle, VLT/FLAMES, *Dwarf Galaxies: Making the Connection to DLAs.*

PRESS RELEASES AND HIGHLIGHTS:

- 12/2024 [Nature Astronomy highlight](#) of the ApJ Letter “*Linking High-z and Low-z: Are We Observing the Progenitors of the Milky Way with JWST?*” led by one of my first year PhD student: Rusta, [Salvadori](#) et al. 2024
- 09/2023 [News and Views of the American Astronomical Society](#) (AAS) have highlighted as one of the most interesting recent results published by AAS the ApJ Letter “*Quiescent Low-Mass Galaxies Observed by JWST in the EoR*”, which was led by one of my PhD students: Gelli, [Salvadori](#) et al. 2024
- 05/2023 [ESO press release](#) for the [ApJ paper based on a Master Thesis](#) “*Evidence of First Stars-enriched Gas in High-redshift Absorbers*” Saccardi, [Salvadori](#) et al. 2023. The work published in this press release was the result of the Master Thesis of my co-advised (with Dr. D’Odorico) Master student at the University of Florence
- 02/2024 [Press Release](#) of the [Florence University](#) and [media INAF](#) for the paper “*The pristine nature of SMSS 1605–1443 revealed by ESPRESSO*” by Aguado et al. (with [Salvadori](#)).
- 07/2021 [Press Release](#) of the [Florence University](#) for the ApJ letter “*Zero-metallicity Hypernova Uncovered by an Ultra-metal-poor Star in the Sculptor Dwarf Spheroidal Galaxy*” by Skuladottir, [Salvadori](#) et al. 2021

PUBLIC OUTREACH & TESTIMONIALS:

- 09/2025 [Invited lecturer](#) for the Summer School of the Liceo Classico Forteguerra, Pistoia, Italy
- 03/2025 [Invited lecturer](#) for the event “*UNISTEM 2025*” in collaboration between the University of Florence and Milano Bicocca.
- 02/2024 [Invited lecturer](#) for the “*Spark project*” organized by the University of Florence to promote STEM among high-school students, Florence.
- 02/2024 [TV Interview](#) by [Rainews24](#) to present the NEFERTITI ERC-funded project.
- 12/2023 [Co-writer](#) (with Stefano Ciabattini) of the Chapter “*Tanto tempo fa... In una galassia nana non troppo lontana!*” for the book “*Tutto quello che avreste volute sapere sul cielo e non avete mai osato chiedere*”.
- 11/2023 [Invited speaker](#) for the “*dialogues of Machiavellerie Festival*” (Festival Machiavellerie). “*Le stelle e la solitudine dell’uomo*”, Cantina Antinori, San Casciano Val di Pesa.
- 06/2023 [Invited talk](#) for *Le Notti d’Estate* at the Arcetri Observatory. Topic of the talk given as a dialogue with Dr. Elena Pancino: “*Stellar archaeology: looking for our origins*”.
- 03/2023 [Invited seminar](#) for the Italian Astronomical Society of Tuscany, Livorno. Topic of the talk: “*Stellar archaeology: a journey 13 billion years long*”
- 01/2023 [TV Interview](#) for the national program “[Tg Leonardo](#)”. Talking about the star SMSS1605-1443, a truly second-generation object dwelling in a binary system.
- 10/2022 [Invited seminar](#) at the Chianti observatory (online public event). Talk: “*Cosmic fossils*”
- 09/2022 [Invited speaker](#) for the public outreach event BRIGHT “*sfiida della ricerca*”
- 09/2021 [Video interview](#) to promote excellent science for Bright. Topic: ERC grant NEFERTITI
- 09/2021 [Invited seminar](#) for the public outreach organization “[AstronomiAmo](#)”
- 08/2021 [Podcast interview](#) on the topic “[Le prime stelle](#)” on the public outreach podcast [Co.Sienze](#)
- 05/2021 [Co-author](#) of the paper *A caccia di galassie nane all’alba dell’Universo* for the outreach book “*Il colle di galileo*”. Authors: Viola Gelli & Stefania Salvadori
- 08/2020 [Invited lecturer](#) for the “*Summer School Heraeus 2020*” aimed for high-school students
Topic of the lecture: *The formation of the first galaxies*

- 09/2019 **Speaker** during the public outreach event “Bright - the night of researchers in Tuscany”:
Stellar Archaeology and the formation of the first stars
- 09/2019 **Radio interview** at [Controradio](#) to talk about Stellar Archaeology promoting
Bright - the night of researchers in Tuscany
- 06/2018 **Invited author** of the book, *Prime Stelle*, for the series *Viaggio nell’Universo* published
in 2019 by the Italian newspaper, *Il corriere della sera*
- 03/2014 **Testimonial** of the campaign, *Leader per la pelle*, an Italian initiative to promote
woman leadership (<https://vimeo.com/90317724>)
- 10/2013 **Invited speaker** at the Grants Week Groningen, University of Groningen, Netherlands,
How to successfully apply for a VENI grant ?
- 09/2011 **Gratton Prize ceremony**, Rome. *Archeologia stellare: dalle prime stelle alle galassie nane*