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Research positions

2023 – now **Associate Professor (Professora Agregada)**
University of Barcelona, Barcelona, Spain

2022 – 2023 **Distinguished researcher**
University of Barcelona, Barcelona, Spain

2018 – 2022 **VENI Postdoctoral fellow**
Radboud University, Nijmegen, The Netherlands
Jun. 2021 – Dec. 2021 Maternity leave
Nov. 2019 – Apr. 2020 Maternity leave

2015 – 2018 **Postdoctoral fellow**
California Institute of Technology, Pasadena, CA, USA

Technical positions

2009 – 2012 **Scientific Software Test Manager for the Gaia ESA mission**
Faculty of Physics, Barcelona, Spain

2007 – 2009 **Consultant in information technologies**
Synergic Partners, S.L., Barcelona, Spain

Education

2012 – 2015 **Ph.D., Astrophysics**
Institute of Astronomy, Cambridge, UK
Thesis: *Characterizing the Gaia Transient Sky*
Supervisor: Dr. Nicholas A. Walton

2009 – 2011 **M.S., Astrophysics, particle physics and cosmology**
Faculty of Physics, Barcelona, Spain

2008 **M.S. in Information Technologies**
Barcelona School of Informatics, Barcelona, Spain

2003 – 2008 **B.A., Computer Science**
Barcelona School of Informatics, Barcelona, Spain

Prize fellowships and awards

2024 IEEC grants to fund student internships for NewSpace projects, (PI, 2.000€)
2024 Plan Nacional, Proyectos I+D+I 2020, (as PI replacing Paolo Padoan, 125.840 €)
2023 Grant for conference organization. Institut de Ciències del Cosmos (PI, 2.000 €)
2022 SGR-Cat-2021, Agency for Management of University and Research (co-I, 36.000 €)
2021 **European Research Council (ERC) Starting Grant (PI, 1.489.225 €)**
2021 Maria Zambrano Postdoctoral Fellowship (declined)
2018 **Innovational Research Incentives Scheme VENI fellowship (PI, 250.000 €)**
2015 Finnish Centre for Astronomy (FINCA) postdoctoral fellowship (declined)
2015 European Science Foundation grants for exchange visits (6.000€)
2012 **Marie Curie Early-Stage Researcher fellowship,** GREAT ITN **(150.000 €)**
2001 National Chemistry Olympiad, Gijon, Spain - silver tier

Selected talks - conferences and workshops

Sep 2024 Talk. LSST@Europe6, La Palma, Spain
Jul 2024 Poster. Sociedad Española de Astronomía, Granada, Spain
Jul 2024 Poster. European Astronomical Society Annual Meeting, Padova, Italy
Jun 2024 Poster. Workshop. 360º approach to Common Envelope Evolution: from binary progenitors to remnants, Barcelona, Spain
Feb 2024 Poster. What was that? ESO conference, Garching, Germany
Oct 2023 Talk: Machine Learning at the ICCUB, Barcelona, Spain

Sep 2023	**Invited talk:** MWGaia Cost Action Final Conference, Barcelona, Spain
July 2023	**Invited talk:** Workshop, Stellar Interactions and the Transients They Cause, Aspen, USA
July 2023	**Invited talk**: European Astronomical Society Annual Meeting, Krakow, Poland
Jun 2023	Talk: 5th Forum IEEC, Barcelona, Spain
Nov 2022	**Invited Talk**: Supervirtual, online
Oct 2022	Poster: LSST@Europe4, Rome, Italy
Jul 2022	Talk: Gap transients workshop, Sexten, Italy
Jun 2022	**Invited Talk**: Physics and Astrophysics of Common Envelope Workshop, Los Alamos, USA
Jul 2021	Talk: EAS virtual meeting, Leiden, Netherlands
May 2021	Talk: NAC (Nederlandse Astronomenconferentie) virtual meeting, Leiden, Netherlands
Jul. 2020	Talk: EAS virtual meeting, Leiden, Netherlands
Oct. 2019	**Invited talk**: Royal Astronomical Society, London, UK
Sep. 2019	Talk: ESO workshop "The extragalactic explosive Universe", Garching, Germany
Jun 2019	Talk: European Week of Astronomy and Space Science, Lyon, France
May 2019	Talk: NAC (Nederlandse Astronomenconferentie), Groningen, The Netherlands
Feb. 2019	**Invited Talk**: Cosmic Beacons workshop, Sexten, Italy
Sep. 2018	**Invited Talk**: Caltech-Swinburne data science workshop, Pasadena, USA
Sep. 2018	Talk: Keck Science Meeting, Pasadena, USA
Jul. 2017	**Invited talk**: Unveiling the Physics Behind Extreme AGN Variability, ST. Thomas, US. VI
July 2017	Talk: European Week of Astronomy and Space Science, Prague, Czech Republic
Jan. 2017	Talk: 229th American Astronomical Society meeting, Grapevine, USA
Nov. 2015	Talk: Jerusalem TDE Workshop
Nov. 2015	Talk: Gaia Science Alerts Workshop, Liverpool, UK
Sep. 2014	Talk: Gaia Science Alerts Workshop, Warsaw, Poland
Aug. 2014	Talk: CAASTRO Annual Scientific Conference, Coffs Harbour, Australia
Jul. 2014	Talk: European Week of Astronomy and Space Science, Geneva, Switzerland
Feb. 2014	Talk: Gaia-PESSTO GREAT ESF Workshop, Belfast, UK
Sep. 2013	**Invited talk**: Workshop on High Energy Tidal Disruption Events, Favignana, Italy
Jul. 2012	Talk: European Week of Astronomy and Space Science, Rome, Italy

Selected colloquium and seminars

Dec 2023	**Invited seminar.** IAASARS, Athens, Spain.
Jun 2023	**Invited seminar.** ICE-CSIC, Cerdanyola del Vallès, Spain
May 2023	**Invited colloquium.** Astronomical Observatory of the University of Warsaw, Warsaw, Poland
Apr 2023	**Invited colloquium.** Liverpool John Moores University, Liverpool, UK
Jan 2023	**Invited seminar**. Winter meeting ICCUB. University of Barcelona, Barcelona, Spain
Dec 2022	Seminar: University of Barcelona, Barcelona, Spain
Jan 2022	Seminar: Radboud University, Nijmegen, The Netherlands (online)
Feb 2021	**Invited seminar**: Center for Computational Astrophysics, Flatiron Institute, New York, USA (online)
Feb 2021	Seminar: Radboud University, Nijmegen, The Netherlands (online)
Nov 2020	**Invited colloquium**: Nicolaus Copernicus Astronomical Center, Toruń, Poland (online)
May 2020	**Invited colloquium**: Astronomical Institute Anton Pannekoek, Amsterdam, NL (online)
Nov 2019	**Invited seminar**: Florida State University, USA (online)
Oct. 2019	**Invited colloquium**: Charles University, Prague, CZ
Oct 2019	**Invited seminar**: Ondrejov Observatory, Ondrejov, CZ
Oct 2019	**Invited colloquium**: UCL, London, UK
Jul 2019	**Invited colloquium**: University of Novo Gorica, Novo Gorica,Slovenia
May 2018	Seminar: SRON, Utrecht, The Netherlands
Jan. 2018	**Invited Colloquium**: Radboud University, Nijmegen, The Netherlands
Jan. 2018	Seminar: Technion – Israel Institute of Technology, Haifa, Israel
Jul. 2017	Seminar: Faculty of Physics, University of Barcelona, Spain
Jun. 2017	Seminar: Liverpool John Moores University, Liverpool, UK
Jun. 2017	Seminar: Caltech, Pasadena, USA
Feb. 2017	**Invited seminar**: University of Washington, Seattle, USA
Nov. 2016	**Invited seminar**: San Diego State University, San Diego, USA
Jun. 2016	Seminar: Faculty of Physics, University of Barcelona, Spain
Apr. 2016	Seminar: Institute of Astronomy, Cambridge, UK
Feb. 2015	Seminar: Institute of Astronomy, Cambridge, UK
Jan. 2015	Seminar: Tuorla Observatory, University of Turku, Finland

Nov. 2014	**Invited colloquium**: University of Warwick, Coventry, UK
May 2014	Seminar: Astronomical Observatory, University of Warsaw, Warsaw, Poland
Aug. 2012	Seminar: Faculty of Physics, University of Barcelona, Barcelona, Spain

Press releases

May 2023	"Understanding the origin of the most energetic stellar explosions in the Universe", ICCUB for Lin et al. 2023
Sep. 2016	"New observations of rare cosmic explosion provide hints about stars' companionship", for Blagorodnova et. al. 2017, GROWTH press
Sep. 2014	"Gaia discovers its first supernova", European Space Agency news

Awarded observing time

2025	**VLT** – 2 hours (PI), **GTC** – 8.5h (PI), **Calar Alto 3.5m** – 15h (PI), **Calar Alto 2.2m** – 22h (co-I), **NOT** - 3 nights (PI)
2024	**VLT** – 5 hours (PI), **Calar Alto 3.5, 2.2m** - 6h, 16.5h (PI), **SALT** – 6.3 hours, **REM** – 13 hours (PI), **NOT**– 0.5 nights (PI), 2 nights (co-I)
2023	**JWST** – 10.14h (co-I), **Calar Alto 3.5, 2.2m** – 6h, 16.5h (PI), **NOT** – 2 nights (PI)
2022	**GTC** – 10 hours (co-I)
2021	**SOFIA** – 1.3 hours (co-I), **VLT** – 2 hours (PI), **LT** – 17.5 hours (co-I)
2020	**GTC** – 16.5 hours (co-I), **VLT** – 12 hours (co-I), **LT** – 17.5 hours (co-I)
2019	**Keck** – ½ night (PI)
2018	**LCO** – 42 hours (PI), **Keck** – 3 nights (PI)
2017	**HST** GO Cycle 25 – 70 orbits (co-I), **Keck** – 1.25 nights (PI) + 1 night (co-I)
2016	**HST** DDT Cycle 23 – 5 orbits (co-I), **Keck** – 1 night (PI) + 0.5 nights (co-I), **P200** – 3 nights (PI), **P60** – 35 h (PI), **P48** – 24 h (PI), **VLT** – 5h (co-I)
2014	**Liverpool Telescope** – 92 h (co-I)

Observing experience

Calar Alto 2.2m	2 nights and ToO observations. Instruments: CAFOS
Keck I and Keck 2	26 nights. Instruments: LRIS, DEIMOS, NIRC2, NIRSPEC, ESI, OSIRIS
P200	10 nights. Instruments: DBSP, WIRC
WHT	3 nights. Instruments: ACAM
NTT	16 nights. Instruments: EFOSC2, SOFI
NOT	4 nights and ToO observations. Instruments ALFOSC, FIES.
Copernico Telescope (1.8m)	5 nights. Instruments EFOSC2
VLT	ToO observations. Instruments: XShooter, FORS2
SALT	ToO observations. Instruments: RSS
REM	ToO observations.

Supervision and mentoring

Oct 2022 – present	Group leader. Currently 2 postdocs, 3 Ph.D. students and 3 undergraduate students.
Oct 2024 – present	Mentoring of 2 young female researchers as part of the mentorship scheme of the Comission of Women and Astronomy (CMyA) of the Spanish Astronomical Society (SEA).
Sep 2024 – present	Supervision of a Ph.D. thesis, University of Barcelona. Student: Gerard García Moreno
Oct 2023 – present	Supervision of a Ph.D. thesis, University of Barcelona. Student: Grace Katusiime
Oct 2022 – present	Supervision of a Ph.D. thesis, University of Barcelona. Student: Maxime Wavasseur
Nov 2023 – Jun 2024	Supervision of a master's thesis, University of Barcelona. Student: Gerard García Moreno Outcome: Peer-reviewed publication in Q1 journal in preparation. The student is currently pursuing his Ph.D. in my research group.
Feb 2021 – Feb 2022	Supervision of a master's thesis, Radboud University. Student: Harry Addison Outcome: Peer-reviewed publication in Q1 journal. The student is currently pursuing his Ph.D.
Sep 2012 – Jun 2013	Co-supervision of a master's thesis, University of Barcelona
Feb 2022 – Jun 2023	Supervision of a Bachelor's thesis, University of Barcelona
Nov 2018 – Jul 2020	Mentoring of an undergraduate student from Yale-NUS College in Singapore Outcome: Peer-reviewed publication in Q1 journal.
Jun 2018 – Sep 2018	Supervision of an undergraduate research project within the SURF project at Caltech
Jul 2017 – Sep 2017	Supervision of an undergraduate research project within the GROWTH program, Caltech

Oct 2016 – Sep 2018	Mentoring a graduate student in a junior technical position, Caltech

Teaching

2024 – 2025	Lecturer in master's course "Stellar formation and structure", University of Barcelona, 10h
2024 – 2025	Lecturer for "Observational Astronomy", University of Barcelona, 38.5h
2023 – 2024	Lecturer for "Computing Laboratory", University of Barcelona, 26h
2023 – 2024	Lecturer for "Observational Astronomy", University of Barcelona, 38.5h
2022 – 2023	Lecturer in "Observational Astronomy", University of Barcelona, 8h
2019	Lecturer in Astronomy Olympiad course, Radboud University
2018	Main organizer and lecturer of the ZTF Undergraduate Summer School, Caltech
2017 – 2018	President and dance instructor – Caltech Salsa Club, Caltech
2016, 2017	Teaching of Astronomy 101, Caltech, 2h
2016	Teaching assistant for the iPTF summer school, Caltech
2013	Supervision of 10 students "Stellar structure and evolution" course, University of Cambridge

Professional development

2025	*Leadership course for women,* Institute of Cosmic Sciences of the University of Barcelona, Spain
2024	*Leadership, coordination, and conflict resolution in teaching and research groups,* University of Barcelona, Spain
2024	*Best practices in doctoral supervision, professional development of teaching and leadership skills for doctoral supervisors*, coordinated by Eurolife network and Robert Harris, online
2023	*Introduction to university teaching,* University of Barcelona, Spain
2023	*Practical Guide for New Thesis Supervisors,* University of Barcelona, Spain
2023	*Scientific Writing,* University of Barcelona, Spain
2021	*Scientific writing, Efficient writing strategies, Writing a scientific review*, and *Grant writing and presenting* courses, Radboud University, The Netherlands.
2018	*Storytelling for scientists*, Caltech, USA
2017	*35th Jerusalem Winter School in Theoretical Physics*, Jerusalem, Israel
2013	*GREAT Astrostatistics School 2013*, Alicante, Spain
2012	*GREAT-ITN on Fundamental Cosmic Distance Ladder and Transient Sky, Teramo, Italy*

Reviewing activities

2024	Member of the expert evaluation panel for Proyectos de Generación de Conocimiento 2023
2023 – 2025	Member of the selection panel for SMASH Marie Curie postdoctoral fellowships
2023	Member of the mock interview panel for ERC Starting Grant Candidates supported by FECYT (Fundación Española para la Ciencia y Tecnología)
2015 – present	Referee for the journals: Monthly Notices of the Royal Astronomical Society, Astrophysical Journal, Publications of the Astronomical Society of the Pacific, and Astronomy and Astrophysics
2022	Member of the Observing Programmes Committee (OPC) - European Southern Observatory
2021	Junior committee member of the Royal NL Astronomical Society, The Netherlands
2019 – 2021	Ph.D. evaluation board panel, Radboud University, The Netherlands
2018	External expert reviewer for telescope time allocation committee, Optical Infrared Coordination Network for Astronomy (OPTICON), Horizon 2020

Membership of large and medium-size collaborations

2023 – present	Member of the PhotSat consortium (IEEC) and *Alert data products* work package coordinator
2024 – present	Member of the Euclid Consortium and the Supernova Working Group
2022 – present	PI-level partner of the BlackGEM/MeerLICHT consortium. Leader of the "Stellar Mergers" science group
2022 – present	Full member of the Sociedad Española de Astronomía (SEA)
2022 – present	Member of the gravitational wave research group at University of Barcelona
2021 – present	Member of the Vera C. Rubin Observatory Legacy Survey of Space and Time (LSST) Transients and Variable (TVS) Stars Collaboration
2019 – present	Member of the ENGRAVE collaboration for gravitational wave follow-up
2019 – present	IAU member
2018 – present	Member of the Science Team for the MeerLICHT/BlackGEM collaboration.

2016 – 2018	Member of Global Relay of Observatories Watching Transients Happen (GROWTH) network
2016 – 2017	Board member of the Postdoc Association Committee, Caltech, USA
2015 – 2018	Intermediate Palomar Transient Factory (iPTF) and Zwicky Transient Facility (ZTF) collaboration
2012 – 2015	Public Spectroscopic Survey for Transient Objects (PESSTO)
2009 – 2016	Data Processing and Analysis Consortium (DPAC) for Gaia ESA mission

Organization of conferences, workshops, and seminars

Jul 2024	**Chair** of the Transient mini-symposium at the SEA meeting, Granada, Spain
Jul 2024	SOC – EAS special session: The role of jets in transients, Padova, Italy
Jun 2024	**Chair** and LOC workshop: 360º approach to Common Envelope Evolution, Barcelona, Spain
Aug 2022	SOC – IAU general assembly symposium. "Machine learning in astronomy: possibilities and pitfalls", Busan, South Korea
May 2022	SOC – Workshop on "Common Envelope challenges and future directions", Los Alamos, USA
Jul. 2020	**Co-Chair** – EAS Symposium "Common-envelope systems: progenitors, mergers and survivors"
2019 – 2020	Radboud University Astrophysics colloquium organizer
Jun. 2019	SOC – EAS Symposia on tidal disruption events and ZTF, Lyon, France
Jun. 2018	SOC/LOC – "ZTF Undergraduate Institute", Caltech, Pasadena, USA
Sep. 2017	SOC/LOC - "The Dynamic IR sky", workshop, Caltech, Pasadena, USA
May 2017	LOC - Pasadena Astronomy Postdoc Retreat, Lake Arrowhead, USA
2016 – 2017	Organizer - Caltech seminar series organizer (Tea Talks), Caltech, USA
Jul. 2016	LOC - GROWTH annual meeting, Pasadena, USA
Sep. 2015	LOC- Sharp Eyes on European Skies, Cambridge, USA
Sep. 2014	SOC- 5th Gaia Science Alerts Workshop, Warsaw, Poland
Jun. 2013	SOC - GREAT Astrostatistics School 2013, Alicante, Spain

Outreach activities

2024	Podcast about astrophysical transients and stellar mergers
2024	Chat with an astronomer, 1 day participation in an online chatting platform event
2024	Participation in a YouTube outreach video funded by Generalitat de Catalunya
2022	Contribution to "Mothers in Astronomy" book (e-publication)
2021	Speaker for Astronomy on tap, Leiden, NL (online)
2020	Greenway lecture, Palomar Observatory, USA
2018 – 2021	Regular outreach activities at Radboud University, Nijmegen, NL
2017	Speaker for Astronomy on tap, Pasadena, USA
2012 – 2015	Support to local outreach events, Institute of Astronomy, Cambridge, UK
2014	Gaia Outreach event, Barcelona, Spain
2014	Gaia LIVE outreach talk in an elementary school, Cambridge, UK
2014	Open day in the Institute of Astronomy – Gaia outreach
2013	Stargazing live event at the Institute of Astronomy, Cambridge, UK

Languages

Catalan, Spanish, Russian	– Native speaker
English	– Advanced proficiency
Italian	– Fluent
French, Dutch	– Basic

Refereed publications

1. The BlackGEM Telescope Array. I. Overview, Groot, P. J., Bloemen, S., Vreeswijk, P. M., van Roestel, J. C. J., Jonker, P. G., Nelemans, G., Klein-Wolt, M., Lepoole, R., Pieterse, D. L. A., Rodenhuis, M., Boland, W., Haverkorn, M., Aerts, C., Bakker, R., Balster, H., Bekema, M., Dijkstra, E., Dolron, P., Elswijk, E., van Elteren, A., Engels, A., Fokker, M., de Haan, M., Hahn, F., ter Horst, R., Lesman, D., Kragt, J., Morren, J., Nillissen, H., Pessemier, W., Raskin, G., de Rijke, A., Scheers, L. H. A., Schuil, M., Timmer, S. T., Antunes Amaral, L., Arancibia-Rojas, E., Arcavi, I., **Blagorodnova, N.**,et al. 2024, 136; 115003

2. The Prevalence and Influence of Circumstellar Material around Hydrogen-rich Supernova Progenitors, Bruch, R. J., Gal-Yam, A., Yaron, O., Chen, P., Strotjohann, N. L., Irani, I., Zimmerman, E., Schulze, S., Yang, Y., Kim, Y.-L., Bulla, M., Sollerman, J., Rigault, M., Ofek, E., Soumagnac, M., Masci, F. J., Fremling, C., Perley, D., Nordin, J., Cenko, S. B., Ho, A. Y. Q., Adams, S., Adreoni, I., Bellm, E. C., **Blagorodnova, N.**, et al., 2023, The Astrophysical Journal; 952; 119

3. A superluminous supernova lightened by collisions with pulsational pair-instability shells, Lin, W., Wang, X., Yan, L., Gal-Yam, A., Mo, J., Brink, T. G., Filippenko, A. V., Xiang, D., Lunnan, R., Zheng, W., Brown, P., Kasliwal, M., Fremling, C., **Blagorodnova, N**.,et al., 2023, Nature Astronomy; 7; 779-789

4. Volumetric rates of Luminous Red Novae and Intermediate Luminosity Red Transients with the Zwicky Transient Facility, Karambelkar, V. R., Kasliwal, M. M., **Blagorodnova, N.**, Sollerman, J., Aloisi, R., Anand, S. G., Andreoni, I., et al. (2023), ApJ, 948, 137K.

5. Searching for the next Galactic Luminous red nova, Addison, H., **Blagorodnova, N.,** Groot, P. J., Erasmus, N., Jones, D., & Mogawana, O. (2022), MNRAS 517, 1884.

6. AT 2019qyl in NGC 300: Internal Collisions in the Early Outflow from a Very Fast Nova in a Symbiotic Binary, Jencson, J. E., Andrews, J. E., Bond, H. E., Karambelkar, V., Sand, D. J., van Dyk, S. D., **Blagorodnova, N**., et al. (2021), ApJ 920, 127.

7. The luminous red nova AT 2018bwo in NGC 45 and its binary yellow supergiant progenitor, **Blagorodnova, N.,** Klencki, J., Pejcha, O., Vreeswijk, P. M., Bond, H. E., Burdge, K. B., De, K., Fremling, C., Gehrz, R. D., Jencson, J. E., Kasliwal, M. M., Kupfer, T., Lau, R. M., Masci, F. J., & Rich, M. R. (2021), A&A 653, A134.

8. Gaia Early Data Release 3. Gaia photometric science alerts, Hodgkin, S. T., Harrison, D. L., Breedt, E., Wevers, T., Rixon, G., Delgado, A., Yoldas, A., Kostrzewa-Rutkowska, Z., Wyrzykowski, Ł., van Leeuwen, M., **Blagorodnova, N.,** et al. (2021), A&A 652, A76.

9. A Large Fraction of Hydrogen-rich Supernova Progenitors Experience Elevated Mass Loss Shortly Prior to Explosion, Bruch, R. J., Gal-Yam, A., Schulze, S., Yaron, O., Yang, Y., Soumagnac, M., Rigault, M., Strotjohann, N. L., Ofek, E., Sollerman, J., Masci, F. J., Barbarino, C., Ho, A. Y. Q., Fremling, C., Perley, D., Nordin, J., Cenko, S. B., Adams, S., Adreoni, I., Bellm, E. C., **Blagorodnova, N.**, at al. (2021), ApJ 912, 46.

10. Seventeen Tidal Disruption Events from the First Half of ZTF Survey Observations: Entering a New Era of Population Studies, van Velzen, S., Gezari, S., Hammerstein, E., Roth, N., Frederick, S., Ward, C., Hung, T., Cenko, S. B., Stein, R., Perley, D. A., Taggart, K., Foley, R. J., Sollerman, J., **Blagorodnova, N.**, et al. (2021), ApJ 908, 4.

11. PTF11rka: an interacting supernova at the crossroads of stripped-envelope and H-poor superluminous stellar core collapses, Pian, E., Mazzali, P. A., Moriya, T. J., Rubin, A., Gal-Yam, A., Arcavi, I., Ben-Ami, S., **Blagorodnova, N.**, et al. (2020), MNRAS 497, 3542.

12. Progenitor, precursor, and evolution of the dusty remnant of the stellar merger M31-LRN-2015, **Blagorodnova, N.**, Karambelkar, V., Adams, S. M., Kasliwal, M. M., Kochanek, C. S., Dong, S., Campbell, H., Hodgkin, S., Jencson, J. E., Johansson, J., Kozłowski, S., Laher, R. R., Masci, F., Nugent, P., & Rebbapragada, U. (2020), MNRAS 496, 5503.

13. Multiwavelength Photometry and Progenitor Analysis of the Nova V906 Car, Wee, J., **Blagorodnova, N.**, Penprase, B. E., Facey, J. P., Morioka, T., Corbett, H., Barlow, B. N., Kupfer, T., Law, N. M., Ratzloff, J. K., Howard, W. S., Gonzalez Chavez, R., Glazier, A., Soto, A. V., & Horiuchi, T. (2020), ApJ 899, 162.

14. Characterization of the Nucleus, Morphology, and Activity of Interstellar Comet 2I/Borisov by Optical and Near-infrared GROWTH, Apache Point, IRTF, ZTF, and Keck Observations, Bolin, B. T., Lisse, C. M., Kasliwal, M. M., Quimby, R., Tan, H., Copperwheat, C. M., Lin, Z.-Y., Morbidelli, A., et al. (2020), AJ 160, 26.

15. Type IIn supernova light-curve properties measured from an untargeted survey sample, Nyholm, A., Sollerman, J., Tartaglia, L., Taddia, F., Fremling, C., **Blagorodnova, N.**, Filippenko, A. V., Gal-Yam, A., Howell, D. A., Karamehmetoglu, E., Kulkarni, S. R., Laher, R., Leloudas, G., Masci, F., Kasliwal, M. M., Morå, K., Moriya, T. J., Ofek, E. O., Papadogiannakis, S., Quimby, R., Rebbapragada, U., & Schulze, S. (2020), A&A 637, A73.

16. Host Galaxies of Type Ic and Broad-lined Type Ic Supernovae from the Palomar Transient Factory: Implications for Jet Production, Modjaz, M., Bianco, F. B., Siwek, M., Huang, S., Perley, D. A., Fierroz, D., Liu, Y.-Q., Arcavi, I., Gal-Yam, A., Filippenko, A. V., **Blagorodnova, N.**, Cenko, B. S., Kasliwal, M., Kulkarni, S., Schulze, S., Taggart, K., & Zheng, W. (2020), ApJ 892, 153.

17. Full orbital solution for the binary system in the northern Galactic disc microlensing event Gaia16aye, Wyrzykowski, Ł., Mróz, P., Rybicki, K. A., Gromadzki, M., Kołaczkowski, Z., Zieliński, M., et al. (2020), A&A 633, A98.

18. Evidence for Late-stage Eruptive Mass Loss in the Progenitor to SN2018gep, a Broad-lined Ic Supernova: Pre-explosion Emission and a Rapidly Rising Luminous Transient, Ho, A. Y. Q., Goldstein, D. A., Schulze, S., Khatami, D. K., Perley, D. A., Ergon, M., et al. (2019), ApJ 887, 169.

19. ZTF Early Observations of Type Ia Supernovae. I. Properties of the 2018 Sample, Yao, Y., Miller, A. A., Kulkarni, S. R., Bulla, M., Masci, F. J., Goldstein, D. A., et al. (2019), ApJ 886, 152.

20. The SPIRITS Sample of Luminous Infrared Transients: Uncovering Hidden Supernovae and Dusty Stellar Outbursts in Nearby Galaxies, Jencson, J. E., Kasliwal, M. M., Adams, S. M., Bond, H. E., De, K., Johansson, J., Karambelkar, V., et al. (2019), ApJ 886, 40.

21. A New Class of Changing-look LINERs, Frederick, S., Gezari, S., Graham, M. J., Cenko, S. B., van Velzen, S., Stern, D., **Blagorodnova, N.**, et al. (2019), ApJ 883, 31.

22. Discovery of an Intermediate-luminosity Red Transient in M51 and Its Likely Dust-obscured, Infrared-variable Progenitor, Jencson, J. E., Adams, S. M., Bond, H. E., van Dyk, S. D., Kasliwal, M. M., Bally, J., **Blagorodnova, N.**, et al. (2019), ApJL 880, L20.

23. The Zwicky Transient Facility: Science Objectives, Graham, M. J., Kulkarni, S. R., Bellm, E. C., Adams, S. M., Barbarino, C., **Blagorodnova, N.**, Bodewits, D., et al (2019), PASP 131, 078001.

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2022 – 2 communications
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