

JACO DE SWART

University of Amsterdam
Science Park 904, 1098 XH Amsterdam
j.g.deswart@uva.nl

EXPERIENCE

University of Amsterdam Postdoctoral Researcher, Department of Anthropology	2021–2022
University of Amsterdam PhD Candidate in History of Physics, Institute of Physics	2016–2022
Institute for Advanced Study, Princeton Visitor Host: Piet Hut	Fall 2019
Princeton University Visiting Student Hosts: David Spergel, Michael Gordin	Fall 2014

EDUCATION

MSc Theoretical Physics University of Amsterdam	2016
MA Philosophy University of Amsterdam	2013
BA Philosophy University of Amsterdam	2011
BSc Bèta Gamma University of Amsterdam	2010

PUBLICATIONS

Journal Articles

de Swart, J., Bertone, G. & van Dongen, J. (2017). How dark matter came to matter. *Nature Astronomy*, 1, 0059

Book Chapters

de Swart, J. (2020). Cosmology's Rebirth and the Rise of the Dark Matter Problem. In: A. Blum, R. Lalli and J. Renn (eds.), *The Renaissance of General Relativity in Context. Einstein Studies, vol. 16*. London: Birkhauser

Book Reviews

de Swart, J. (2019). Deciphering dark matter: the remarkable life of Fritz Zwicky, *Nature*, 573, 32-33

Other

de Swart, J.G. (2017). How we lost 85% of the universe. *Viewpoint*, 113, 11

AWARDS

Dutch Society for the Advancement of Science and Medicine, Travel Grant	2019
American Institute of Physics, Center for History of Physics, Grant-in-Aid	2014

INVITED TALKS

Vossius Center for History of Humanities and Sciences, Amsterdam (NL)	05-2022
Max Planck Institute for History of Science, Online	04-2021
Institute for Advanced Study, Princeton NJ (US)	10-2019
National Air and Space Museum, Washington DC (US)	10-2019
Complutense University Madrid (ES)	06-2019
Kapteyn Institute for Astronomy, Groningen (NL)	06-2019
RWTH Aachen (DE)	02-2019
Karlsruhe Institute of Technology (DE)	01-2019
King's College London (EN)	12-2018
University of Heidelberg (DE)	06-2018
National Institute for High Energy Physics, Nikhef (NL)	12-2017
American Institute of Physics, College Park (US)	11-2014

CONFERENCE TALKS

American Philosophical Society, Philadelphia (Online)	06-2020
History of Science Society, New Orleans (US)	<i>postponed</i>
Dutch Graduate Conference in History of Science, Rolduc (NL)	02-2019
Society for Philosophy of Science in Practice, Ghent (BE)	07-2018
European Philosophy of Science Association, Dusseldorf (DE)	09-2015
Society for Philosophy of Science in Practice, Aarhus (DK)	06-2015

Dutch Graduate Conference in Philosophy, Nijmegen (NL)

03-2015

ORGANIZED SYMPOSIA & CONFERENCES

Ways of Knowing the Universe	<i>postponed</i>
History of Science Society Meeting '20, ft. Jordan Bimm a.o.	
Dutch Graduate Conference in History of Science	02-2019
Rolduc Abbey, Kerkrade (NL), co-organizer	
Philosophy of Astrophysics in Practice	07-2018
Philosophy of Science in Practice '18, Ghent (BE), ft. Mauricio Suárez a.o.	
First Tylers Meeting on History of Astronomy and Physics	04-2017
Tyters Museum, Haarlem (NL), co-organizer	

TEACHING

University of Amsterdam:

The Science and Life of Albert Einstein	2019/2020/2021
Institute of Physics, Teaching Assistant	
Reflection on Physics	2019/2020
Institute of Physics, Teaching Assistant	
Science in Action	2019
Van 't Hoff Institute for Molecular Sciences, Teaching Assistant	
Interdisciplinary Research Projects	2016/2017/2018
Institute for Interdisciplinary Studies, Supervisor	
Philosophy of Science	2016/2017/2018
Institute for Interdisciplinary Studies, Lecturer	
Turning Points in the Natural Sciences	2014/2015/2016
Institute for Interdisciplinary Studies, TA & Coordinator	
Electricity and Magnetism	2010
Institute of Physics, Teaching Assistant	

OUTREACH

Organizer: Rock 'n' Roll Academy	2020
Talk series on science and rock music at Hard Rock Hotel Amsterdam.	
Presenter: Veronica Academy	2019-2020
Presenter of a web series on the science behind science fiction.	
Table guest: Studio Max Live	2013-2014
Live guest for science news at a talk show on Dutch public television.	

MEDIA APPEARANCES

- Interview:** NPO Radio 1, 'De nacht van' (14.04.2022)
Interview: Het Parool, 'De Geboorte van Donkere Materie' (19.02.2022)
Podcast: Universiteit van Nederland, 'Wat is donkere materie' (09.01.2022)
Interview: Nationale Wetenschapsagenda, live stream on black holes (7.10.2021)
Feature: Jansen, J. & Jansen, D. (2020). *Corona tot Z*. Fontaine Uitgevers, pp. 35-36
Feature: Tijd voor Max, on 'Corona tot Z' (02.12.2020)
Interview: Algemeen Dagblad, 'Eureka' column (07.11.2020)
Interview: Folia Magazine, on rock 'n' roll academy (08.10.2020)
Guest: New Scientist, book release 'Steven Hawking' (08.09.2020)
Guest: NPO Radio 1, on dark matter research (02.08.2020)
Podcast: Radio Swammerdam, on dark matter research (18.02.2019)
Podcast: Makkelijk Praten Podcast, on dark matter research (27.08.2018)
Movie: Folia Magazine, on *Nature Astronomy* publication (02.03.2017)

PROFESSIONAL ACTIVITIES

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| Member: Advisory Board of the Institute for Interdisciplinary Studies | 2017 - |
| Reviewer: MIT Press, Studies in History and Philosophy of Modern Physics, European Journal for Philosophy of Science | 2018 - |
| Member: Institute of Physics PhD Council, University of Amsterdam | 2018-2021 |
| Member: Faculty of Science PhD Council, University of Amsterdam | 2016-2018 |

OTHER

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| Bassist in semi-professional rock band X Raiders | 2008 - |
| City cleaning at volunteering collective Troep Troep | 2020 - |

REFERENCES

- Prof. Gianfranco Bertone**, University of Amsterdam, g.bertone@uva.nl
Prof. Jeroen van Dongen, University of Amsterdam, j.e.a.f.vandongen@uva.nl
Prof. Erik Verlinde, University of Amsterdam, e.p.verlinde@uva.nl
Prof. Piet Hut, Institute for Advanced Study, Princeton, piet@ias.edu
Prof. David Kaiser, Massachusetts Institute of Technology, dikaiser@mit.edu