

GEORGIOS E. MAGDIS

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RESEARCH PROFILE

I am an Associate Professor of extragalactic astrophysics and co-founder of the Cosmic DAWN Center (DAWN) at the Niels Bohr Institute/University of Copenhagen (NBI/KU) and the Danish Space Institute/Technical University of Denmark (DTU-Space). I am leading the ISM/galaxy-evolution group at DAWN (3 MSc, 3 PhD and 1 post-Doc) funded by my research grant "*Gas to stars - Stars to Dust; Exploring the Star Formation Activity Through Cosmic Time*" (€950k). I focus on the study of galaxies across cosmic time aiming to shed light on their formation, their growth, and the evolution of their interstellar medium. For my research I use space and ground-based deep multi-wavelength cosmological surveys with an emphasis on infrared/submm/radio observations. As of 2019 I am also co-ordinating the high redshift science case for the SPICA space telescope and I am a member of the Euclid "Primeval Universe Working Group".

EDUCATION

University of Oxford, UK

2010

DPhil in Astrophysics

University of Crete, GR

September 2005

MSc in Astrophysics

University of Crete, GR

September 2003

BSc in Physics

ACADEMIC POSITIONS

Cosmic Dawn Center, DTU-Space and NBI/KU, DK

2018 - present

Associate Professor - Co-founder

Dark Cosmology Center, NBI/KU, DK

November 2015 - April 2018

Assistant Professor - Carlsberg Fellow

University of Oxford, UK

April 2012 - November 2015

Post-doctoral Researcher

Service d'Astrophysique, CEA, Saclay, FR

November 2009 - April 2012

Post-doctoral Researcher

GRANTS/FUNDING

Centers of Excellence, DNRF €8.5million (co-founder/core member)

2018 - 2024

Cosmic Dawn Center of Excellence

Young Investigator Program, Villum Foundation, €950k (PI)

2016 - 2021

Gas to stars - Stars to Dust; Exploring the star formation activity through cosmic time

DARK/Carlsberg Independent Research Fellowship €350k (PI)

2015 - 2018

THALES Programme, €521k (co-I)

2012 - 2015

The invisible side of formation and evolution of supermassive Black Holes in the Universe

Astrophysical Data Analysis Program, NASA, \$116k (co-I)

2012

Extreme silicate absorbers in WISE

PUBLICATIONS

136 (69 since 2014) peer reviewed publications in high profile journals (3 in Nature), 14 as a first author. **Citations:** \sim **12500** (9500), **h-index:** **58** (50) - **Google Scholar** (NASA/ADS).

SUPERVISION

Master Students (7) (2 ongoing)

S. Ponchida , A. Anastasiou, E. Paspaliaris, Cecilie Sand Norholm, C. Sand Norholm, I. Cortzen, M. Papathanasiou

PhD Students (4) (3 ongoing)

V. Kokorev, I. Cortzen, S. Manning (co), C. Gomez Guijarro (co)

Post-Docs (3) (1 ongoing)

F. Valentino, I., L. Ciesla (co), N. Lee (co)

TELESCOPE TIME ALLOCATION

In total for my research I have been awarded >1500hours (as PI or co-I) of observing time in the most competitive ground-based and space telescopes (including ALMA, NOEMA, IRAM 30m telescope, APEX, Herschel, Spitzer, HST, VLT and Keck).

MAIN INTERNATIONAL COLLABORATIONS AND PROJECTS

Major International Collaborations

University of Oxford (UK)* Caltech (USA)* Center for Astrophysics (CfA/Harvard, USA) * CEA/Saclay (Paris, France) * Max Plank Institute for Extra-terrestrial Physics (MPE, Germany) * National Optical Astronomy Observatory (NOAO, USA)* ESO (Germany)

Major International Projects/Teams

ALCS * REQUIEM* BUFFALO * PEP * GOODS * GOODS-Herschel * GOODS-ALMA * HerMES * CLS * KROSS * COSMOS* Candels-Herschel * Cosmic Dawn Survey * SPICA * Euclid

INTERNATIONAL RECOGNITION AND AWARDS - SELECTED

Enhanced Eurotalents, <i>Proposal Reviewer</i>	<i>2017</i>
NASA Astrophysical Data Analysis Program, <i>Selection Committee</i>	<i>2017</i>
ESO, <i>Time Allocation Committee</i>	<i>2017-2018</i>
ERC Starting Grant, <i>Proposal Referee</i>	<i>2016</i>
Royal Astronomical Society Group Achievement Award	<i>2014</i>
32 Invited/Contributed Talks / 7 Colloquia	<i>2010 - present</i>

PRESS RELEASES AND OUTREACH - SELECTED

Press release by NBI/DTU	<i>2019</i>
<i>Giant galaxy is almost as old as the Universe it self</i>	
Maxwell Lecture Series, King's College, UK	<i>2017</i>
<i>Talk: The History of the Universe; A story narrated by photons</i>	
Work experience placement in astrophysics at the University of Oxford	<i>2012 - 2015</i>
Oxford Stargazing, BBC live stargazing	<i>2014</i>
Oxford University Science Blog	<i>2014</i>
<i>Galactic star baby boom ended five billion years ago.</i>	
Press release by the Royal Astronomical Society	<i>2012</i>
<i>GOODS-Herschel reveals gas mass role in creating fireworks versus beacons of star formation</i>	
Astronomy & Astrophysics Highlights	<i>2011</i>
<i>Herschel Reveals a new population of star forming Galaxies</i>	
Press release by the European Space Agency	<i>2011</i>
<i>Herschel paints a new story of galaxy evolution</i>	