

## Pieter van Dokkum

Astronomy Department  
Yale University  
52 Hillhouse Ave  
New Haven, CT 06511

pieter.vandokkum@yale.edu  
office: 203-432-2019  
department: 203-432-3000  
fax: 203-432-5048

### Education:

**Ph. D. cum laude**, University of Groningen, The Netherlands 1999  
**M. Sc.**, University of Groningen, The Netherlands 1994

### Positions held:

**Divisional Director**, Physical Sciences and Engineering, Yale University 2017 –  
**Chair**, Physical Sciences and Engineering Tenure and Appointments Committee,  
Yale University 2017 –  
**Sol Goldman Professor of Astronomy**, Yale University 2012 –  
**Chair**, Department of Astronomy, Yale University 2011 – 2016  
**Professor**, Astronomy Department, Yale University 2007 – 2012  
**Associate Professor**, Astronomy Department, Yale University 2006  
**Assistant Professor**, Astronomy Department, Yale University 2003 – 2005  
**Spitzer Fellow**, California Institute of Technology 2002  
(awarded by the Jet Propulsion Laboratory, Pasadena)  
**Hubble Fellow**, California Institute of Technology 1999 – 2002  
(awarded by the Space Telescope Science Institute, Baltimore)  
**Visiting Graduate Researcher**, University of Leiden 1998 – 1999  
**Graduate Researcher**, University of Groningen 1995 – 1998

### Honors and awards:

- **Yale Graduate Mentor Award in the Natural Sciences** 2020  
(one award annually in the Natural Sciences)
- **Maria and Eric Muhlmann Award** 2018  
(awarded annually by the Astronomical Society of the Pacific for “important research based upon development of groundbreaking instruments and techniques”)
- **Biard Lecturer** 2017  
(named annual lecture at the California Institute of Technology)
- **Eddington Lecturer** 2015  
(named annual lecture at the University of Cambridge and the RAS)
- **Sol Goldman Family Professor** 2012  
(named Yale professorship – inaugural)
- **Marc Aaronson Memorial prize** 2012  
(awarded every 18 months to an observational astronomer; worldwide)
- **National Science Foundation CAREER award** 2005
- **Pastoor Schmeitz prize** 2004  
(awarded once every three years to a Dutch astronomer under 40)
- **Spitzer Fellowship** 2002
- **Hubble Fellowship** 1999

## Publication metrics:

total number of publications: **646**, of which 409 in refereed journals  
total citations: **47,552**; h-index: **122** (that is, 122 publications with at least 122 citations)  
(January 2022)

## External funding:

Approximately **\$ 8M** from external grants. Awards over \$ 200k (Yale portion only):

- National Science Foundation, **\$ 635,104** 2021 – 2023  
“Mapping diffuse gas with the prototype Dragonfly filter tilter array”
- National Science Foundation, **\$ 577,803** 2016 – 2020  
“The low surface brightness sky with the 48-lens Dragonfly Telephoto Array”
- Space Telescope Science Institute, **\$ 288,710** 2016 – 2018  
“A wide-field WFC3 imaging survey in the COSMOS field”
- National Science Foundation, **\$ 480,290** 2013 – 2016  
“The Dragonfly project: imaging the outer limits of nearby galaxies”
- NASA Astrophysical Data Analysis Program, **\$ 484,580** 2010 – 2013  
“A complete census of passive galaxies, star forming galaxies, and obscured AGN at  $1 < z < 3$ ”
- Space Telescope Science Institute, **\$ 652,459** 2010 – 2013  
“3D-HST: A spectroscopic galaxy evolution treasury”
- National Science Foundation, **\$ 440,819** 2008 – 2011  
“The NEWFIRM medium-band survey: accurate redshifts for 80,000 K-selected galaxies”
- National Science Foundation (CAREER), **\$ 633,242** 2005 – 2010  
“The formation epoch of massive galaxies”
- Jet Propulsion Laboratory, **\$ 225,896** 2005 – 2007  
“A public deep IRAC survey in the Extended CDF-South”
- NASA Long Term Space Astrophysics, **\$ 585,082** 2004 – 2009  
“The progenitors of massive galaxies”

## Supervision:

**Ph. D. students** (with current affiliation):

Imad Pasha	2020 –
Tim Miller	2019 –
Dhruba Dutta Chowdhury	2018 –
Lamiya Mowla ( <i>Dunlap Fellow, Toronto</i> )	2016 – 2020
Shany Danieli ( <i>Hubble Fellow, IAS</i> )	2016 – 2020
Allison Merritt ( <i>MPIA Fellow, MPIA, Heidelberg</i> )	2013 – 2017
Joel Leja ( <i>Assistant Professor, Pennsylvania State University [2020]</i> )	2012 – 2016
Erica Nelson ( <i>Assistant Professor, University of Colorado Boulder [2020]</i> )	2011 – 2016
Jesse van de Sande ( <i>Postdoctoral Fellow, Sydney</i> )	2009 – 2014
Daniel Szomoru ( <i>Advanced Analytics Consultant, IBM</i> )	2008 – 2013
Rachel Bezanson ( <i>Assistant Professor, University of Pittsburgh</i> )	2008 – 2013
Tomer Tal ( <i>Data Science Manager, Chegg Inc.</i> )	2009 – 2012
Katherine Whitaker ( <i>Assistant Professor, UMass</i> )	2007 – 2012
Gabriel Brammer ( <i>Associate Professor, University of Copenhagen</i> )	2006 – 2010
Edward Taylor ( <i>Swinburne University of Technology</i> )	2005 – 2010

Maaïke Damen ( <i>NWO: Netherlands Organization for Scientific Research</i> )	2005 – 2010
Mariska Kriek ( <i>Associate Professor, University of California, Berkeley</i> )	2004 – 2007
Stijn Wuyts ( <i>Senior Lecturer, University of Bath</i> )	2003 – 2007
Ryan Quadri ( <i>Insight Data Science Fellow, Palo Alto</i> )	2003 – 2007
Arjen van der Wel ( <i>Professor, Ghent University</i> )	2000 – 2005

**Postdoctoral Associates** (with current affiliation):

Mauro Stefanon ( <i>University of Leiden</i> )	2017 – 2018
Hakim Atek ( <i>Institut d'Astrophysique de Paris</i> )	2015 – 2016
Ivelina Momcheva ( <i>Mission Scientist, STScI</i> )	2011 – 2015
Rosalind Skelton ( <i>SALT Astronomer, South African Astronomical Observatory</i> )	2010 – 2013
Britt Lundgren ( <i>Assistant Professor, University of North Carolina</i> )	2009 – 2012
David Wake ( <i>Open University</i> )	2009 – 2012
Adam Muzzin ( <i>Assistant Professor, York University</i> )	2007 – 2011
Jenica Nelan ( <i>Information Systems Analyst, Dartmouth-Hitchcock</i> )	2006 – 2007
Danilo Marchesini ( <i>Associate Professor, Tufts University</i> )	2004 – 2009
Sune Toft ( <i>Professor, University of Copenhagen</i> )	2004 – 2006

**Teaching:**

**ASTR 220: Galaxies and Cosmology**

**ASTR 555: Observational Astronomy**

**ASTR 565: The Evolving Universe**

**Service:**

• Member, Steering Committee, Astro 2020 Decadal Survey	2019 –
• Liaison, Galaxies Panel, Astro 2020 Decadal Survey	2019 –
• Member, Instrumentation Strategy Committee, Yale	2019 –
• Divisional Director, Physical Sciences & Engineering, Yale	2017 –
• Chair, Physical Sciences & Engineering Tenure and Appointments Committee, Yale	2017 –
• Chair, Physical Sciences & Engineering Advisory Committee, Yale	2017 –
• Member, Keck Science Steering Committee	2017 –
• Chair, extragalactic panel of Hubble Space Telescope proposal review	2016
• Chair, Astronomy Department, Yale	2011 – 2016
• Chair, Hubble Fellows selection committee	2012
• Chair, YCAA Fellow selection committee	2012
• Member, WIYN telescope governing Board	2012 – 2014
• Director, Yale Research Observatories	2009 – 2011
• Member, Keck Science Steering Committee	2009 – 2011
• Member, Thirty Meter Telescope Science Advisory Committee	2009 – 2011
• Member, Divisional Committee for Science and Engineering, Yale	2009 – 2011
• Chair, WIYN Science Advisory Committee	2007 – 2010
• Chair, Spitzer Warm Mission committee on the distant Universe	2007
• Member, Steering Committee Spitzer Warm Mission	2007 – 2008
• Member, Yale Course of Study Committee	2007 – 2008
• Member, Scientific Organizing Committee (various meetings)	2006 –
• Chair, Gemini telescope Staff Time Allocation Committee	2006 – 2008

- Member, WIYN Science Advisory Committee 2005 – 2006
- Member, Gemini Observatory US Science Advisory Committee 2005 – 2009
- Various Yale Astronomy and Physics committees 2003 –
- Organizer weekly astronomy talks, Caltech 2000 – 2002

**Scientific leadership:**

- PI, HST Medium Program “A Wide Field WFC3 Survey of the COSMOS Field” 2015 –
- co-PI, Dragonfly Telephoto Array 2013 –
- PI, HST Treasury Program “3D-HST” 2012 –
- PI, Spitzer Large Program “An IRAC Survey of the E-CDF-South” 2010 – 2012
- PI, NEWFIRM Medium Band Survey 2008 – 2012
- PI, Gemini Key Science Project on Massive Galaxies 2005 – 2008
- co-PI, Multi-wavelength Survey by Yale-Chile (MUSYC) 2004 – 2008

**Seminars and invited reviews:**

More than 20 colloquia and invited contributions to conferences in the past five years.