

Michael R. Blanton

Professional Preparation:

Cornell University	Engineering Physics	BS 1995
Princeton University	Astrophysics	PhD 1999
Fermi National Accelerator Laboratory	Astrophysics	1999–2001
New York University	Astrophysics	2001–present

Appointments:

Professor	Department of Physics	New York University, 2018–present
Associate Professor	Department of Physics	New York University, 2011–2018
Assistant Professor	Department of Physics	New York University, 2005–2011
Research Scientist	Department of Physics	New York University, 2001–2005
Postdoc	Astrophysics	Fermi National Accelerator Lab, 1999–2001

Five Publications Closely Related to Proposed Project:

- Roig, B., Blanton, M. R., and Yan, R. 2015, *Stellar Metallicity Gradients in SDSS Galaxies*, ApJ, 808, 26
- Zhu, G., Blanton, M. R., Burles, S. M., Coil, A. L., Cool, R. J., Eisenstein, D. J., Moustakas, J., Wong, K. C., and Aird, J. 2011, *PRIMUS: Obscured Star Formation on the Red Sequence*, ApJ, 726, 110
- Blanton, M. R., Kazin, E., Muna, D., Weaver, B. A., and Price-Whelan, A. 2011, *Improved Background Subtraction for the Sloan Digital Sky Survey Images*, AJ, 142, 31.
- Conroy, C., Schiminovich, D., and Blanton, M. R. 2010, *Dust Attenuation in Disk-dominated Galaxies: Evidence for the 2175Å Dust Feature*, ApJ, 718, 184
- Blanton, M. R. and Roweis, S. (2007), *K-corrections and filter transformations in the ultraviolet, optical, and near-infrared*, AJ, 133, 734

Performance in Prior Research Efforts:

- SDSS-IV Director (2012–present): successful in leading project through development and first four years of operations.
- SDSS-III Data Coordinator (2007–2013): successfully led development of data management systems and data releases for SDSS-III.
- Freely distributed New York University Value-Added Galaxy Catalog, used in over 800 refereed publications (2005–present), and the NASA-Sloan Atlas, used in around 100 refereed publications (2012–present).
- Wrote and distributed freely a widely used code to fit stellar population models to galaxy flux observations, known as `kcorrect`, used in over 900 refereed publications (2002–present).

Co-Editors Within the Past 24 Months: none

Graduate and Postdoctoral Advisors: Jeremiah P. Ostriker (Princeton University), Michael A. Strauss (Princeton University)

Graduate Students & Postdoctoral Scholars Over Past Five Years: Chang Hoon Hahn (graduate student, New York University), Nitya Mandyam (graduate student, New York University), Eyal Kazin (graduate student, New York University), Sicheng Lin (graduate student, New York University), Dou Liu (graduate student, New York University), John Moustakas (postdoc, New York University), Dimitri Muna (research scientist, New York University), Benjamin Roig (graduate student, New York University), Erin Sheldon (postdoc, New York University), Benjamin Weaver (research scientist, New York University), Zhongxu Zhai (graduate student, New York University), Guangtun Zhu (graduate student, New York University)

Collaborators over Past 48 Months: James Aird (UCSD), Raul Angulo (MPA), Stéphane Arnouts (CFHT), Andreas Berlind (Vanderbilt), Adam Bolton (Utah), Alison Coil (UCSD), Richard Cool (MMT), Kyle Dawson (Utah), Aleksandar Diamond-Stanic (UCSD), Daniel J. Eisenstein (University of Arizona), Marla Geha (Yale University), Stefan Gottlöber (AIP), James Gunn (Princeton), Hong Guo (CWRU), Lincoln Greenhill (Harvard), Shirley Ho (CMU), David Hogg (New York University), Eyal Kazin (Swinburne), Anatoly Klypin (NMSU), Dustin Lang (CMU), Marc Manera (Portsmouth), Cameron McBride (Harvard), Alexander Mendez (UCSD), Antonio Montero-Dorta (CSIC), John Moustakas (Siena College), Dimitri Muna (OSU), Robert Nichol (Portsmouth), Ariel Sánchez (MPE), Sebastián Nuza (AIP), Nikhil Padmanabhan (Yale), John Parejko (Yale), Francisco Prada (UAM), Adrian Price-Whelan (Columbia), Ashley Ross (Portsmouth), Nicholas Ross (LBNL), David Schlegel (LBNL), David Schiminovich (Columbia), Hee-Jong Seo (OSU), Michael Strauss (Princeton University), Molly Swanson (Harvard), Max Tegmark (MIT), Jeremy Tinker (NYU), Alex Szalay (Johns Hopkins University), David Wake (Open University), David Weinberg (OSU), Martin White (LBNL), Renbin Yan (Kentucky), Idit Zehavi (Case Western), Guangtun Zhu (JHU).