



Ben Davis
Postdoctoral Fellow
Start Date: 28-03-2016
Discipline: Physics and Nanotechnology
FTE: 1.00
Special Status: ECR
Academic Level: A

Reference Values	Annual	3 Year Total
Research Outputs (Quality Weighted)	2.96	8.89
External Research Income	\$79,012	\$237,036
Research Impact	10	

Performance Summary Against Expectations

* Please note that only performance data for 2016 - 2018 feeds into subsequent calculations.

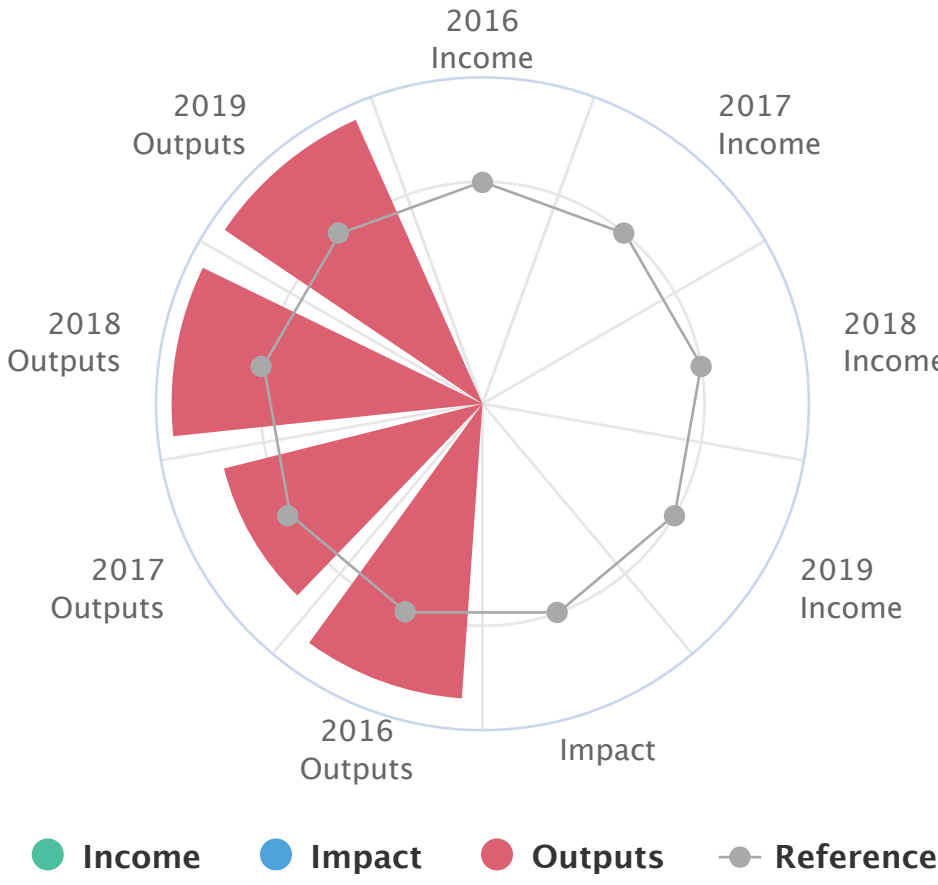
Research Expectation	2016	2017	2018	2019
Research Outputs (Quality Weighted)	3.94	3.57	4.62	10.65
External Research Income	\$0	\$0	\$0	\$0
Research Impact	0			-
All HDR Completions Timely?	-	-	-	-

Research Expectation	Total	Score	Weighting	W/Score
Research Outputs (Quality Weighted)	12.13	1.37	45%	0.62
External Research Income	\$0	0.00	45%	0.00
Research Impact	0	0.00	10%	0.00

Research Allocation	W/Score	HDR %	Perf.Based	Total	Actual
2019 Workload (Research Only 80%)	0.45	0.00	90%	90%	90%
2020 Workload (Research Only 80%)	0.62	2.00	78%	80%	TBA

Research Performance

Against Reference Values



Performance Against Peers

Peer Group	Rank
Within Discipline	23/88
Within School	25/134
Within Academic Level	9/220
Within School + Level	2/29
Within School (Pubs Only)	32/134

Research Output Performance Breakdown

Year	ID	Type	Citation	Rating	No. Authors	Score
2016	39235	C1	Pour-Imani, H., Kennefick, D., Kennefick, J., Davis, B. L., Shields, D. W., Abdeen, M. S. (2016) STRONG EVIDENCE for the DENSITY-WAVE THEORY of SPIRAL STRUCTURE in DISK GALAXIES. Astrophysical Journal Letters 827 (1): L2	T1	6	1.63
2016	44205	C1	Mutlu-Pakdil, B., Seigar, M. S., Davis, B. L. (2016) THE LOCAL BLACK HOLE MASS FUNCTION DERIVED from the M BH-P and the M BH-n RELATIONS. Astrophysical Journal 830 (2)	T1	3	2.31
Total						3.94

Year	ID	Type	Citation	Rating	No. Authors	Score
2017	58422	C1	Koliopanos, F., Ciambur, B. C., Graham, A. W., Webb, N. A., Coriat, M., Mutlu-Pakdil, B., Davis, B. L., Godet, O., Barret, D., Seigar, M. S. (2017) Searching for intermediate-mass black holes in galaxies with low-luminosity AGN: a multiple-method approach. Astronomy and Astrophysics 601 : A20	T1	10	1.26
2017	62799	C1	Davis, B. L., Graham, A. W., Seigar, M. S. (2017) Updating the (supermassive black hole mass)-(spiral arm pitch angle) relation: A strong correlation for galaxies with pseudobulges. Monthly Notices of The Royal Astronomical Society 471 (2): 2187-2203	T1	3	2.31
Total						3.57

Year	ID	Type	Citation	Rating	No. Authors	Score
2018	75552	C1	Davis, B. L., Graham, A. W., Cameron, E. (2018) Black Hole Mass Scaling Relations for Spiral Galaxies. II. M BH-M *,tot and M BH-M *,disk. Astrophysical Journal 869 (2): 113	T1	3	2.31
2018	79050	C1	Graham, Alister W., Roberto Soria, Benjamin L. Davis (2018) Expected intermediate mass black holes in the Virgo cluster. II. Late-type galaxies. Monthly Notices of the Royal Astronomical Society, 484 (1): 814-831.	T1	3	2.31
Total						4.62

* Please note that 2019 data provided for information only, and may not be complete.

Year	ID	Type	Citation	Rating	No. Authors	Score
2019	78774	C1	Davis, B. L., Graham, A. W., Cameron, E. (2019) Black Hole Mass Scaling Relations for Spiral Galaxies. I. M BH -M *,sph. Astrophysical Journal 873 (1)	T1	3	2.31
2019	79255	C1	Miller, R., Kennefick, D., Kennefick, J., Abdeen, M. S., Monson, E., Eufrazio, R. T., Shields, D. W., Davis, B. L. (2019) Investigating the Origins of Spiral Structure in Disk Galaxies through a Multiwavelength Study. The Astrophysical Journal 874 (2)	T1	8	1.41
2019	79875	C1	Sahu, N., Graham, A. W., Davis, B. L. (2019) Black Hole Mass Scaling Relations for Early-type Galaxies. I. M BH-M *, sph and M BH-M *,gal. Astrophysical Journal 876 (2)	T1	3	2.31
2019	80050	C1	Davis, B. L., Graham, A. W., Combes, F. (2019) A Consistent Set of Empirical Scaling Relations for Spiral Galaxies: The (v max, M oM)-(sigma 0, M BH, phi) Relations. Astrophysical Journal 877 (1)	T1	3	2.31
2019	86277	C1	Sahu, N., Graham, A. W., Davis, B. L. (2019) Revealing Hidden Substructures in the M BH-sigma Diagram, and Refining the Bend in the L-sigma Relation. Astrophysical Journal 887 (1)	T1	3	2.31
Total						10.65

Research Income Performance Breakdown

2016: No eligible performance data recorded.
2017: No eligible performance data recorded.
2018: No eligible performance data recorded.
2019: No eligible performance data recorded.

HDR Supervision Allocation Breakdown

Year	Level	ID	Student	Load	PCS?	Panel Count	%
2020	PHD	102270957	Suei Hei Hon	Full-time	No	2	1.00
2020	PHD	101776386	Nandini Sahu	Full-time	No	2	1.00
Total							2.00