

BIOGRAPHICAL SKETCH

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NAME Davis, Roger J.		POSITION TITLE	
eRA COMMONS USER NAME (credential, e.g., agency login) ROGERD		Professor of Molecular Medicine	
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	MM/YY	FIELD OF STUDY
Cambridge University, Great Britain	B.A.	05/79	Natural Sciences
Cambridge University, Great Britain	M.Phil.	05/80	Natural Sciences
Cambridge University, Great Britain	Ph.D.	05/83	Biochemistry
University of Massachusetts Medical School	Postdoctoral	01/86	Biochemistry

A. Personal Statement

The goal of my laboratory is to study molecular mechanisms of signal transduction. A specific focus of my research is to identify mechanisms of obesity-induced insulin resistance that contribute to the etiology of type 2 diabetes.

B. Positions and Honors**Recent Employment**

1990 - present **Investigator**, Howard Hughes Medical Institute.
2002 - present **H. Arthur Smith Chair**, University of Massachusetts Medical School.

Selected Honors

1995 - 1996 Ranked 1st world-wide by the Citation Index (*Institute for Scientific Information*)
2002 - present Elected to the Royal Society (*London*)
2010 - present Elected to the European Molecular Biology Organization (*foreign member*)

C. Selected Peer-reviewed Publications

- Sabio, G., Das, M., Mora, A., Zhang, Z., Jun, J. Y., Ko, H. J., Barrett, T., Kim, J. K., and Davis, R. J. "A stress signaling pathway in adipose tissue regulates hepatic insulin resistance." **Science** 322, 1539-1543 (2008). PMID 2643026.
- Sabio, G., Cavanagh-Kyros, J., Ko, H.-J., Jung, D.-Y., Gray, S., Jun, J. Y., Barrett, T., Mora, A., Kim, J. K., and Davis, R. J. "Prevention of Steatosis by Hepatic JNK1" **Cell Metabolism**. 10, 491-498 (2009). PMID 2804105.
- Sabio, G., Cavanagh-Kyros, J., Barrett, T., Jung, D.-Y., Ko, H.-J., Ong, H., Morel, C., Mora, A., Reilly, J., Kim, J. K., and Davis, R. J. "Role of the hypothalamic-pituitary-thyroid axis in metabolic regulation by JNK1". **Genes Dev** 24(3) 256-264 (2010). PMID 2811827.

D. Web sites

<http://www.umassmed.edu/pmm/faculty/davis.cfm>
<http://www.hhmi.org/research/investigators/davisrj.html>