

Anthony Carruthers



Education:

- BSc, Physiology, University of Manchester UK, 1977
- PhD, Neurobiology, King's College University of London UK, 1980

Positions:

- *Postdoctoral Fellow*, Biochemistry, UMass Medical School, 1982;
- *M.D.A. Postdoctoral Fellow*, Biochemistry, UMMS, 1983;
- *NATO Postdoctoral Fellow*, Biochemistry, UMMS, 1983;
- *Assistant Professor*, Biochemistry, UMass Medical School, 1983;
- *Associate Professor*, Biochemistry UMass medical School, 1990;
- *Professor* Biochemistry & Molecular Pharmacology, UMass Medical School, 1996;
- *Interim Chair*, Biochemistry & Molecular Pharmacology, UMass Medical School, 1997;
- *Vice-Chair* Biochemistry and Molecular Pharmacology , UMASS Medical School, 2000;
- *Dean*, Graduate School of Biochemical Sciences, UMASS Medical School, 2003 - present.

Research Interests

Understanding how sugars are absorbed by cells, the proteins responsible for this process, how cells *and* the body regulate this process in health and disease with a special emphasis on sugar metabolism in the brain and across the blood brain barrier.

Research history & philosophy

Dr. Carruthers' research program focuses on the biology of glucose transport into and out of cells. He has maintained an NIH-funded research program since 1985, has trained 11 graduate students and 5 postdoctoral fellows. He presently has 3 graduate students and 1 postdoctoral fellow in training. He has published over 90 peer-reviewed research articles and believes passionately that outstanding basic research is the foundation for meaningful translational biomedical research, societal technological advancement and the amelioration of the human condition.

Educational history & philosophy

Dr. Carruthers is committed to public, higher education and believes that societal advancement is only achievable when education is accessible to and affordable by all segments of society.

The mission of the Graduate School of Biomedical Sciences at the University of Massachusetts Medical School is two-fold:

1. To matriculate a body of qualified students reflective of the Commonwealth's ethnic, socio-cultural and academic diversity;
2. To provide its students with outstanding research and academic training experiences that produce ground-breaking discoveries in the biomedical sciences, culminate in the award of a doctoral degree and provide the foundation for a rewarding, professional career.

Publications

For many of my publications see:

[http://www.ncbi.nlm.nih.gov/pubmed/?term=\(Carruthers+A%5BAuthor%5D+AND+\(full+text%5Bsb%5D\)\)+AND+\(transport%5BText+Word%5D\)](http://www.ncbi.nlm.nih.gov/pubmed/?term=(Carruthers+A%5BAuthor%5D+AND+(full+text%5Bsb%5D))+AND+(transport%5BText+Word%5D))