



Research Interests:

- Emerging virus discovery
- How viruses change the way cells store and use lipids
- Origin of life and fossils
- Antiviral discovery and testing

Future Research:

- Virus structure
- Viruses in the environment

Benjamin Neuman, Ph.D.

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Associate Professor, Head of Biology; 09/16-Present
Texas A&M University-Texarkana

Recently Taught Courses (Past 2 Years)

- BIOL 1306: Biology I Majors
 - BIOL 2405: Intro Microbiology
 - BIOL 1307: Biology II Majors
 - BIOL 425: Immunology
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Education

UNIVERSITY OF READING; Reading, UK
Ph.D. in Biological Sciences, 2001

UNIVERSITY OF TOLEDO; Toledo, OH
SALFORD UNIVERSITY; Manchester, UK
BS in Biology, 1997 with year abroad

Academic Experience

TEXAS A&M UNIVERSITY — TEXARKANA; Texarkana, TX
Associate Professor and Head of Biology, 9/16 to Present

UNIVERSITY OF READING; Reading, UK
Visiting Professor of Virology, 8/16 to Present
Associate Professor of Virology, 5/15 to 8/16
Lecturer, 4/06 to 5/15

THE SCRIPPS RESEARCH INSTITUTE; La Jolla, CA
Assistant Professor, 5/04 to 3/06
Postdoctoral Fellow, 10/01 to 5/04

Significant Professional Publications (Past 5 Years)

Cong, Z. et al. (2016). Identification and characterization of a ribose 2'-O-Methyltransferase encoded by the ronivirus branch of Nidovirales. **J Virol** **90**(15) 6675-85.

Maier, H. J. et al. (2016). Extensive coronavirus-induced membrane rearrangements are not a determinant of pathogenicity. **Nature Sci Rep** **6**, 27126.

Dent, S. D. et al. (2015). The proteome of the infectious bronchitis virus Beau-R virion. **J Gen Virol** **96**(12) 3499-506.

Dell'Isola A. et al. (2015). Synthesis and antiviral properties of spirocyclic [1,2,3]-triazolooxazine nucleosides. **Chemistry** **20**(37), 11685-9.

Al-Mulla H. M. N. et al. (2014) Competitive fitness in coronaviruses is not correlated with size or number of double-membrane vesicles under reduced temperature growth conditions. **mBio** **5**, e01107-13.

Angelini M. M. et al. (2013) SARS coronavirus nonstructural proteins 3, 4, and 6 induce double-membrane vesicles. **mBio** **4**, e00524-13.

Neuman B. W. et al. (2013) Direct observation of membrane insertion by enveloped virus matrix proteins by phosphate displacement. **PLOS One** **8**, e57916.