



Research Interests

- Emerging virus discovery and bioinformatics
- How viruses change the way cells store and use lipids
- Pennsylvanian fossils of North Texas, especially corals and brachiopods
- Antiviral discovery and testing

Benjamin Neuman, Ph.D.

7101 University Avenue ■ Texarkana, TX 75503 ■ 903.334.6654 bneuman@tamut.edu

Professor and Chair of Biological Sciences; 09/16-Present, Texas A&M University-Texarkana

Recently Taught Courses (Past 2 Years)

BIOL 1306, 1307, 308, 343, 443, 445, 447, 448, 470, 497, 499, 543, 547, HONS 497

Education

UNIVERSITY OF READING; Reading, UK Ph.D. in Biological Sciences, 2001
UNIVERSITY OF TOLEDO; Toledo, OH BS in Biology, 1997 with year abroad
SALFORD UNIVERSITY; Manchester, UK

Academic Experience

TEXAS A&M UNIVERSITY-TEXARKANA; Texarkana, TX

Professor and Chair, 1/19 to Present

Associate Professor and Chair, 9/16 to Present

UNIVERSITY OF READING; Reading, UK

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 (last 5 years)

Peng T, Liu X, Adams LG, Agarwal GS, Akey BL, Cirillo JD, Deckert V, Delfan S, Fry ES, Hemmer P, Kattawar GW, Kim M, Lu C, Mogford J, Nessler R, **Neuman B**, Nie X, Pan J, Pryor JH, Quintero R, Rajil N, Shih Y, Sokolov A, Wang D, Yi Z, Zheltikov A, Scully MO. Enhancing resolution of lateral flow assay for SARS-CoV-2 antibodies. (2020) **Applied Phys Lett** (Accepted 10 Sept. 2020)

Alsaadi EAJ, **Neuman BW**, Jones IM. A Fusion Peptide in the Spike Protein of MERS Coronavirus. **Viruses** 11.9 (2019): 825.

Cobb AJA, Dell'Isola A, Abdulsattar BO, McLachlan MMW, **Neuman BW**, Müller C, Shankland K, Al-Mulla HMN, Binks AWD, Elvidge W. Synthesis and biological evaluation of spirocyclic nucleosides. (2018) **New J Chem**, accepted manuscript in press c8nj02777c

Doyle N, **Neuman BW**, Simpson J, Hawes, PC, Mantell J, Verkade P, Alrashedi H, Maier HJ. Infectious bronchitis virus nonstructural protein 4 alone induces membrane pairing. (2018) **Viruses** 10(9) pii: E477

Bukhari K, Mulley G, Gulyaeva AA, Zhao L, Shu G, Jiang J, **Neuman BW**. Description and initial characterization of metatranscriptomic nidovirus-like genomes from the proposed new family Abyssoviridae, and from a sister group to the Coronavirinae, the proposed genus Alphaletovirus. (2018) **Virology** 524:160-171

Müller C, Hardt M, Schwudke D, **Neuman BW**, Pleschka S, Ziebuhr J. Inhibition of Cytosolic Phospholipase A2 α Impairs an Early Step of Coronavirus Replication in Cell Culture. (2018) **J Virol** 92(4) e01463-17