

as·pir·naut = one who aspires, seeks and achieves

Keywords: [Aspirnaut](#) [Education and Outreach](#)

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Founded in 2006 by two Vanderbilt faculty members, the program was launched as an online-learning-on-the-bus initiative in rural, Arkansas in 2006. Since the first pilot on rural school bus routes where students completed online curriculum, Aspirnaut™ has evolved to a K-20 STEM pipeline program for diversity that partners the experiential and content expertise of Vanderbilt University Medical Center with rural K-12 schools and diverse high school, undergraduate and graduate students.

<http://www.aspirnaut.org/>

Publications / Citations

1. [Collagen IV and basement membrane at the evolutionary dawn of metazoan tissues](#). Fidler AL, Darris CE, Chetyrkin SV, Pedchenko VK, Boudko SP, Brown KL, Gray Jerome W, Hudson JK, Rokas A, Hudson BG (2017) *Elife*
› Primary publication · [28418331](#) (PubMed) · [PMC5395295](#) (PubMed Central) · Added on 4/19/2017
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3. [Basement membrane ultrastructure and component localization data from uterine tissues during early mouse pregnancy](#). Jones-Paris CR, Paria S, Berg T, Saus J, Bhavé G, Paria BC, Hudson BG (2016) *Data Brief*: 931-939
› Primary publication · [27896299](#) (PubMed) · [PMC5118616](#) (PubMed Central) · Added on 3/26/2017
4. [Embryo implantation triggers dynamic spatiotemporal expression of the basement membrane toolkit during uterine reprogramming](#). Jones-Paris CR, Paria S, Berg T, Saus J, Bhavé G, Paria BC, Hudson BG (2017) *Matrix Biol*: 347-365
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› Primary publication · [24344311](#) (PubMed) · [PMC3890831](#) (PubMed Central) · Added on 2/25/2014

MeSH Terms

Alleles Amino Acid Sequence Animals Anti-Glomerular Basement Membrane Disease Autoantigens Basement Membrane
Biological Evolution Cattle Cell Line, Tumor China Chlorides Collagen Type IV Computer Simulation Cross-Linking Reagents
Ctenophora Drosophila melanogaster Embryo Implantation Epitope Mapping Epitopes, T-Lymphocyte Evolution, Molecular

Extracellular Matrix Extracellular Matrix Proteins Female Fluorescent Antibody Technique Gene Expression Regulation
Genetic Predisposition to Disease Genotype Heme HLA-DRB1 Chains Humans Imines Injections Laminin Mass Spectrometry Mice
Molecular Sequence Data Peptide Fragments Peptides Peroxidase Peroxidases Phylogeny Polymorphism, Genetic Pregnancy
Protein-Serine-Threonine Kinases Protein Binding Protein Conformation Protein Structure, Tertiary Protein Subunits
Receptors, Antigen, T-Cell Risk RNA, Messenger Sequence Analysis, RNA Sequence Homology, Amino Acid Sesame Oil
Sulfur Compounds T-Lymphocytes Uterus Zebrafish