

# Accepted Manuscript



Ascending Vaginal Infection Using Bioluminescent Bacteria Evokes Intrauterine Inflammation, Preterm Birth, and Neonatal Brain Injury in Pregnant Mice

Natalie Suff, Rajvinder Karda, Juan Antinao Diaz, Joanne Ng, Julien Baruteau, Dany Perocheau, Mark Tangney, Peter W. Taylor, Donald Peebles, Suzanne M.K. Buckley, Simon N. Waddington

PII: S0002-9440(18)30226-8

DOI: [10.1016/j.ajpath.2018.06.016](https://doi.org/10.1016/j.ajpath.2018.06.016)

Reference: AJPA 2944

To appear in: *The American Journal of Pathology*

Received Date: 20 March 2018

Revised Date: 8 June 2018

Accepted Date: 19 June 2018

Please cite this article as: Suff N, Karda R, Diaz JA, Ng J, Baruteau J, Perocheau D, Tangney M, Taylor PW, Peebles D, Buckley SMK, Waddington SN, Ascending Vaginal Infection Using Bioluminescent Bacteria Evokes Intrauterine Inflammation, Preterm Birth, and Neonatal Brain Injury in Pregnant Mice, *The American Journal of Pathology* (2018), doi: 10.1016/j.ajpath.2018.06.016.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**Ascending vaginal infection using bioluminescent bacteria evokes intrauterine inflammation, preterm birth, and neonatal brain injury in pregnant mice**

Natalie Suff<sup>1,2</sup>, Rajvinder Karda<sup>1</sup>, Juan Antinao Diaz<sup>1</sup>, Joanne Ng<sup>1</sup>, Julien Baruteau<sup>1,3</sup>, Dany Perocheau<sup>1</sup>, Mark Tangney<sup>4</sup>, Peter W. Taylor<sup>5</sup>, Donald Peebles<sup>2</sup>, Suzanne M.K. Buckley<sup>1\*</sup> and Simon N. Waddington<sup>1,6</sup>.

\*Corresponding author

<sup>1</sup> Gene Transfer Technology Group, Department of maternal and Fetal medicine, Institute for Women's Health, University College London, London, UK

<sup>2</sup> Preterm Birth Group, Department of Maternal and Fetal medicine, Institute for Women's Health, University College London, London, UK

<sup>3</sup> Metabolic Medicine, Great Ormond Street Hospital for Children NHS Foundation Trust, London, UK

<sup>4</sup> SynBio Centre, University College Cork, Cork, Ireland

<sup>5</sup> University College London School of Pharmacy, London, UK

<sup>6</sup> MRC Antiviral Gene Therapy Research Unit, Faculty of Health Sciences, University of the Witwatersrand, Johannesburg, South Africa

Corresponding author: Dr Suzanne M.K. Buckley  
suzy.buckley@ucl.ac.uk  
Gene Transfer and Technology group  
86-96 Chenies Mews  
Institute for Women's Health  
University College London  
London  
U.K.  
WC1E 6HX  
+44 20 7679 2000

Running head: Ascending vaginal infection and preterm birth

Download English Version:

<https://daneshyari.com/en/article/10212851>

Download Persian Version:

<https://daneshyari.com/article/10212851>

[Daneshyari.com](https://daneshyari.com)