

Nicholas John M^cGlinicy

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Nationality: U.S.A.

Research Experience & Education

December 2013 - present Associate Specialist
University of California, Berkeley
Adviser : Prof. Nicholas Ingolia
Project : Developing synthetic biological tools to study translation.

June - December 2013 Post-doctoral fellow
Carnegie Institution for Science, Department of Embryology,
Baltimore, U.S.A.
Adviser : Prof. Nicholas Ingolia
Project : Developing synthetic biological tools to study translation.

2008 - 2012 Career development fellow
MRC Laboratory of Molecular Biology, Cambridge, U.K.
Advisers : Dr. Michael H. Hastings FRS, FMedSci & Dr. Jernej Ule
Project : Alternative splicing and the circadian clock

2007 - 2008 Research assistant
Department of Biochemistry, University of Cambridge, U.K
Adviser : Prof. Chris W.J. Smith

2003 - 2008 Ph.D. in RNA molecular biology
Department of Biochemistry, University of Cambridge, U.K
Adviser : Prof. Chris W.J. Smith
Thesis : A proteomics based approach to identify genes regulated
by alternative splicing resulting in nonsense-mediated mRNA decay.

2002 - 2003 Research assistant
Department of Biological Sciences, University of Warwick, U.K.
Advisers : Dr. David Roper & Dr. Keith N. Leppard

Nicholas John M^cGlinicy

- 2000 - 2001 Intercalated year placement student
AstraZeneca, Alderley Park, Cheshire, U.K.
- 1998 - 2002 B.Sc. (Hons) Virology with Intercalated Year, 1st Class.
Department of Biological Sciences, University of Warwick, U.K.

Technical Expertise

Wet-lab

Analysis of gene expression (RNA/protein extraction, RT-PCR, QPCR, western blot), iCLIP, ribosome profiling, cell culture, DNA cloning, transient transfection (DNA, siRNA, PMO), acute & circadian luciferase assays, use of radioisotopes, generation of stable cell-lines, 2D-DiGE based proteomics, flow cytometry, yeast culture and genetics.

Bioinformatics

Intermediate R programming, intermediate bioinformatics, basic Bash scripting, basic AWK scripting, basic HTML & CSS.

Teaching & Public Engagement

- 2015 Demonstrator for QB3 UC Berkeley Undergraduate Bootcamp
- 2014 – present Supervised two graduate rotation students.
- 2008-2012 Participated in the Cambridge Science Festival 2010 & 2012.
- Supervised two visiting Masters students, each on a six-month independent research project.
- 2004-2007 Demonstrated undergraduate practical classes in biochemistry and molecular biology.
- 2005 Supervised final year undergraduate on an eight-week independent research project.
- 2003 Completed graduate school course in small group undergraduate teaching.

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Publications

M^cGlinicy NJ, Valomon A, Chesham JE, Maywood ES, Hastings MH & Ule J (2012) Regulation of Alternative Splicing by the Circadian Clock and Food Related Cues. *Genome Biology* 13, R54. PMID: 22721557

Konig J, M^cGlinicy NJ & Ule J (2012) Analysis of protein-RNA interactions with single-nucleotide resolution using iCLIP and next generation sequencing. Tag-based Next Generation Sequencing. Kahl G & Harbers TM (Eds.) ISBN: 978-3-527-32819-2

M^cGlinicy NJ, Tan LY, Paul N, Zavolan M, Lilley KS & Smith CWJ (2010) Expression proteomics of UPF1 knockdown in HeLa cells reveals auto-regulation of hnRNP A2/B1 mediated by alternative splicing resulting in nonsense-mediated mRNA decay. *BMC Genomics* 11, 565. PMID: 20946641

M^cGlinicy NJ & Smith CWJ (2008) Alternative splicing resulting in nonsense-mediated mRNA decay: what is the meaning of nonsense? *Trends. Biochem. Sci.* 33, 385-93. PMID: 18621535

Spellman R, Rideau A, Matlin A, Gooding C, Robinson F, M^cGlinicy N, Grellscheid SN, Southby J, Wollerton M & Smith CW (2005) Regulation of alternative splicing by PTB and associated factors. *Biochem Soc Trans.* 33, 457-60. PMID: 15922731

Beech SJ, Lethbridge KJ, Killick N, M^cGlinicy N & Leppard KN (2005) Isoforms of the Promyelocytic Leukemia Protein differ in their effects on ND10 organisation. *Exp Cell Res.* 307: 109-17. PMID: 15916540

Awards & Prizes

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| 2004-2006 | Treherne scholarship in Biological sciences, Downing College, Cambridge. |
| 2005 | Winner of department Ph.D. poster competition. |
| 2003-2007 | Medical Research Council Ph.D. studentship |
| 2000 | Society for General Microbiology Prize for highest 2 nd year mark. |

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Meeting Contributions

Talks

2011 2nd International EURASNET
conference

2010 Clock Club U.K.
EURASNET U.K. workshop

Posters

2012 RNA society meeting

2010 RNA society meeting
Clock Club U.K.

2006 RNA society meeting

2005 CSHL Eukaryotic mRNA
processing

Referees

References available upon request.