

Nicholas John M^cGlincoy

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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

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2000 - 2001	Intercalated year placement student AstraZeneca, Alderley Park, Cheshire, U.K.
1998 - 2002	B.Sc. (Hons) Virology with Intercalated Year, 1 st 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^cGlincoy 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^cGlincoy 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^cGlincoy 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^cGlincoy 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^cGlincoy 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^cGlincoy 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

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.