



DR. REDMOND SMYTH

Helmholtz Young Investigator

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Education

2011 PhD, Monash University, Australia
2003 BA, Virology and Immunology, University of Cambridge, UK

Positions

2018 - present Head of Helmholtz Young Investigator Group & Junior Professor (W1), Helmholtz Institute for RNA-based Infection Research (HIRI), Würzburg, Germany
2015 - 2018 Independent Researcher (Chargé de Recherche, CR2), National Center for Scientific Research (CRNS), IBMC, Strasbourg, France
2011 - 2015 Postdoc, CNRS, IBMC, Strasbourg, France

Awards & Honors

Head of Helmholtz Young Investigator Group (since 2018), Prime d'encadrement de recherche (PEDR), IdEx Postdoctoral Fellowship (2013 - 2015), ANRS Postdoctoral Fellowship (2011 - 2013), Northcote International PhD Scholarship (2005 - 2008)

Editorial Boards

Virology Journal (Associate Editor), Virus and Host (Review Editor), Frontiers in Cellular and Infection Microbiology

Selected Publications

Mailler E, Paillart JC, Marquet R, **Smyth RP**, Vivet-Boudou V (2019)

The evolution of RNA structural probing methods: From gels to next-generation sequencing
Wiley Interdiscip Rev RNA 10(2): e1518

Smyth RP, Smith MR, Jousset AC, Despons L, Laumond G, Decoville T, Cattenoz P, Moog C, Jossinet F, Mougél M, Paillart JC, von Kleist M, Marquet R (2018)

In cell mutational interference mapping experiment (in cell MIME) identifies the 5' polyadenylation signal as a dual regulator of HIV-1 genomic RNA production and packaging
Nucleic Acids Research 46(9): e57

Smyth RP, Despons L, Huili G, Bernacchi S, Hijnen M, Mak J, Jossinet F, Weixi L, Paillart JC, von Kleist M, Marquet R (2015)

Mutational interference mapping experiment (MIME) for studying RNA structure and function
Nature Methods 12(9): 866-872

Abd El-Wahab EW, **Smyth RP**, Mailler E, Bernacchi S, Vivet-Boudou V, Hijnen M, Jossinet F, Mak J, Paillart JC, Marquet R (2014)

Specific recognition of the HIV-1 genomic RNA by the Gag precursor
Nature Communications 5: 4304

Gavazzi C, Yver M, Isel C, **Smyth RP**, Rosa-Calatrava M, Lina B, Moulès V, Marquet R (2013)

A functional sequence-specific interaction between influenza A virus genomic RNA segments
PNAS 110(41): 16604-16609