

HOSEA SAPUTRO HANDOYO

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DOB Bandung, 8 November 1985 N Indonesian

QUALIFICATIONS

- *Ph.D. Candidate*, 2008-2011, Medical Research Council Protein Phosphorylation Unit (MRC-PPU), College of Life Sciences, University of Dundee, Scotland, UK; with project “*Mechanism of Protein Kinase Tpl2 Activation by Interleukin-1*” under Prof. Sir Philip Cohen supervision.
- Bachelor of (Life) Sciences (Ba./ing.), 2004 - 2008, HAN University of Applied Sciences, Nijmegen, The Netherlands (graduated *cum laude* - with highest honor)

Research Interests

- Cellular signalling (MAPKs and NFκB)
- Innate immune system
- Science and Research Public Policies

Research Experience

Oct 2007 - Sept 2008	Internship at Medical Research Council Protein Phosphorylation Unit, University of Dundee with project “ <i>Mechanism of Protein Kinase Tpl2 Activation during Bacterial Infection</i> ” under Prof. Sir Philip Cohen supervision.
Sept 2007	Assistant Professor in HAN University for molecular cloning practical classes
1 Feb - Aug 2007	Internship in Neuron and Networks group, project of Mental Retardation at Netherlands Institute of Neuroscience, an institute of the Royal Netherlands Academy of Arts and Sciences (KNAW), Amsterdam, The Netherlands, with project “ <i>Investigation of Neuronal Connectivity of aPIX Mice, The Animal Model for Mental Retardation</i> ” under Dr. G.J.A. Ramakers supervision
1 Sept 2006- 31 Jan 07	Independent project at HAN Biocentre, Nijmegen, with project “ <i>Sucrose Fermentation in E. coli B by Salmonella sp. Scr gene Genomic Transformation</i> ” in collaboration with PURAC, BV. under Herman Stevens, Ing. supervision.

Selected Publications and Conferences

- Handoyo H, Stafford MJ, McManus E, Baltzis D, Peggie M, Cohen P., *IRAK1-independent pathways required for the interleukin-1-stimulated activation of the Tpl2 catalytic subunit and its dissociation from ABIN2* , Biochem J. 2009 Oct 23;424(1):109-18

- Handoyo H, *The mechanism by which the protein kinase Tpl2 is activated by IL-1B*, BIF FUTURA 2009 24(2)
- Handoyo, Hosea and IBSF Team. “*iBiotech: Bring Biotechnology Closer to YOU*”. 2008. *in press* (collections of simple and interactive biotechnology experiments for elementary/junior high students)
- Handoyo, Hosea, “*From Gene to Cognition: Investigation of Neuronal Connectivity in aPIX KO Mice, a Mouse Model for Mental Retardation*”, *Analyse*. 2007 8, 228-229

7-12 June 2010	Keystone Symposia: Innate Immunity Mechanisms Linking with Adaptive Immunity, Trinity College Dublin, Republic of Ireland (presenting poster) - supported by Boehringer-Ingelheim Fonds Travel Bursaries
16-19 May 2010	Consortium of Science, Policy, and Outcome (CSPO) Conference: The Rightful Place for Science?, Arizona State University, Tempe, US - supported by CSPO and Boehringer-Ingelheim Fonds Travel Bursaries
18 November 2010	Indonesia National Science Festival, Global Jaya School, Jakarta (keynote speaker)
23-25 Sept 2009	Biotechnology Young Entrepreneurship Scheme (YES), Scottish Workshop and (Bio-)Business Presentation Competition, Holiday Inn Hotel, Edinburgh, Scotland, UK - organised by BBSRC
2-10 March 2008	iBiotech 2008, Grand National Biotechnology Road Show in Indonesia; 4 Cities Road Show (keynote speaker)
10-15 June 2007	European Science Foundation Summer School in Nanomedicine, Cardiff, UK
11-16 March 2007	Advanced Course on Strategic Communication and Applied Ethics in Nanobiotechnology, Oxford, UK, held by Nano BIO-RAISE, EU

RECENT AND SELECTED ACHIEVEMENTS

2010	<ul style="list-style-type: none"> • Brian Cox Award for public engagement nominee, University of Dundee
2008	<ul style="list-style-type: none"> • Boehringer-Ingelheim Fellow (pre-doctoral) • Discovery Scholarship and College of Life Sciences - University of Dundee Bursary • Medical Research Council - Protein Phosphorylation Unit Student Prize • Top-three International technical students in The Netherlands from university of applied sciences ▪ Appointed ambassador for multicultural integration in The Netherlands from ECHO Foundation ▪ Awarded as ‘Famee’ in HAN University Wall of Fame 2007, Best Student from Faculty of Engineering
2006	Dutch Education: Learning at Top level Abroad (DELTA) Grant recipient
2004 -2007	Private education sponsorship for Bachelor in Life Sciences

SELECTED LABORATORY TECHNIQUES

- PCR and Cloning
- Cell and tissue culture: transfection
- ELISA
- Radioactive kinase assay
- Immunoprecipitation
- Southern and Western Blotting
- Chromatography: SEC, HIC, IEX, AC, GC, HPLC
- Bioinformatics: BLAST, ClustalW, PhyloTree, Vector NTI

SELECTED ORGANIZATIONAL EXPERIENCE

- 2009 - present Science, Technology, Engineering, and Mathematics Ambassador (STEM) for North East Scotland (<http://www.stemnet.org.uk>)
- 2008 - present Boehringer-Ingelheim Fellow (<http://www.bifonds.de/cgi-bin/index.pl>)
- 2008 - present Project Leader of iBiotech 2008, A Grand Biotechnology Road Show and now in advisory board for biotechnology engagement in Indonesia
- 2007 - present Co-founder and International contributor Network for Indonesian Scientists (NetSains: www.netsains.com)
- 2006 - present Head of Research and Development Dept. in Indonesia Biotechnology Students Forum (IBSF: www.indonesia-biotechnology-students-forum.org)
- 2005 - 2007 Public Relation committee in Genomic Network for Young Scientist (GeNeYouS: www.geneyous.nl)
- 2004 - present International contributor for International Indonesian Student Chemistry website (www.chem-is-try.org)

Additional Information

- Skills** Microsoft Office Applications, Adobe Media Design, VectorNTI literate
- Languages** Indonesian (mother tongue), English (spoken and written), Dutch (moderate), Latin (Basic), Mandarin (Basic Pin Yin), German (basic)
- Personal characters** Team-worker, collaborative, flexible, creative, and communicative
- Interests** Writing, movie, music, reading, sports, travelling

REFERENCES *(more references available upon request)*

1. Prof. Sir Philip Cohen, College of Life Sciences, Sir James Black Centre, University of Dundee, Scotland.
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Phone (+44) 1382 384 238
2. Dr. Ger JA Ramakers, molecular biologist in Netherlands Institute of Neurosciences and psychologist in Developmental Psychology Department of University of Amsterdam,
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3. Dr. Remko Bosch, biochemistry lecturer and personal mentor, HAN University of Applied Sciences
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