

Syed Nawazish-i-Husain

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Summary of Qualifications

Ph.D. (Pharmacology), University of Strathclyde, Glasgow, Scotland, UK

M.Phil. (Pharmacology), University of the Punjab, Lahore, Pakistan

B.Pharmacy, University of the Punjab, Lahore, Pakistan

Work Experience

Teaching positions

Joined the University College of Pharmacy, University of the Punjab, Lahore, Pakistan as Lecturer in Physiology & Pharmacology (1994) and later selected as Assistant Professor in Pharmacology (1997). Currently, teaching Physiology and Pharmacology to undergraduate students of Pharmacy and Pharmacology to post-graduate students (M.Phil. and Ph.D. in Pharmacology) and also, extending supervision the research projects.

Post Doctoral Research Positions

Worked in Professor Robert L. Jones lab at SIPBS, University of Strathclyde, Glasgow, UK (2012 - 2013) and investigated the role of novel prostanoid analogues on isolated vascular smooth muscle. It involved the laboratory studies investigating the biological profiles of several prostacyclin receptor agonists. One of these, treprostinil, is currently used for the treatment of pulmonary hypertension in humans. The work focused on the use of selective prostanoid receptor antagonists to determine the extents to which DP₁, EP₂, EP₄ and IP receptor systems contribute to relaxation of various vascular smooth muscles. Also, Ca²⁺-imaging experiments on 1321N1 cells expressing rP₂Y₆ receptors using P₂Y receptor agonist UDP and P₂Y receptor antagonists such as suramin, PPADS, MRS2578 were undertaken at Dr. Charles Kennedy's lab.

Visiting Research Scholar

In Dr. Charles Kennedy's lab in SIPBS, University of Strathclyde, Glasgow, UK (2011 - 2012), myography was used to investigate the pharmacological properties of P₂Y receptors expressed in pulmonary artery smooth muscle and the role of Ca_v1.2, Ca²⁺-dependent chloride ion channels, ryanodine-sensitive sarcoplasmic reticulum stores, Ca²⁺-sensitisation pathways and store operated Ca²⁺ channels (SOCC) in P₂Y receptor-mediated rat pulmonary vasoconstriction. In addition, Ca²⁺-imaging experiments on 1321N-rP₂Y₆ receptor cells involving measurement of intracellular Ca²⁺ using Ca²⁺-sensitive dyes (fluo-4 and fura-2) were also carried out.

Research Project Supervision

SIPBS, University of Strathclyde, Glasgow, UK

In Dr. Kennedy's lab, I co-supervised research projects, which were undertaken by two undergraduate students from Brunei in 2012 to investigate signalling pathways involved in UTP-evoked contractions in rat tail artery. In 2013, I co-supervised undergraduate students from Brunei, UK and Brazil to undertake Ca^{2+} -imaging experiments on $1321\text{N-rP}_2\text{Y}_6$ receptor cells which involves measurement of intracellular Ca^{2+} using Ca^{2+} -sensitive dyes.

University of the Punjab, Lahore, Pakistan

Supervised more than 20 M. Phil. (Pharmacology) students' research projects, both as a sole and co-supervisor. This included devising the research projects and over seeing their development and completion.

Presently, two Ph.D. (Pharmacology) and nine M.Phil. (Pharmacology) students are undertaking their research projects in the lab.

Lab Demonstrator

Involved with teaching of pharmacology, physiology, pharmacy practice and pharmaceutical sciences (sterile labs), as a demonstrator, to undergraduate and postgraduate students, during my PhD studies (2005-2009) and post doc assignments (2011-2013) at the SIPBS, University of Strathclyde, Glasgow, UK.

Hospital/Clinical Pharmacist

Worked in Infectious Diseases Hospital (1992-1993) and Drug Information and Poison Control Centre, Alamiri Hospital, (1999-2000) as a pharmacist after joining Kuwait Pharmaceutical Services, Ministry of Health, Kuwait.

Presentations

Oral

An invited talk entitled, "Drug Discovery; An eye view of a pharmacist", was presented at IPCE, 2016 which was held in Pearl Continental, Hotel, Lahore Pakistan from 21st 23rd April, 2016 under the auspices of Pakistan Pharmacists' Association.

Talk entitled, " Ca^{2+} -signalling pathways involved in P2X receptor-induced contractions of rat small pulmonary artery," was presented at Purines, 2008 Copenhagen, Denmark on 1st July, 2008.

Poster

Syed, N.H. and Jones, R.L. Comparison of the agonist activities of treprostinil and naxaprostene in rat tail and pulmonary arteries. *Presented at Pharmacology, 2015 at London, UK, from 15th December to 17th December, 2015. Poster communication number PO148.*

Syed, N.H., Tengah, A., Talip, S.T.A., Bujang, S.N.B. and Kennedy, C. Differences in the signalling mechanisms underlying UTP-evoked vasoconstriction of pulmonary and systemic-like arteries. *Presented at "IUPS, 2013" Birmingham, UK (21st July to 26th July, 2013). Poster communication number PCD370.*

Syed, N.H. and Jones, R.L. Comparison of the agonist activities of treprostinil and naxaprostene in systemic blood vessels. *Presented at "IUPS, 2013" Birmingham, UK (21st July to 26th July, 2013). Poster communication number PCD103.*

Syed, N.H., Tengah, A. and Kennedy, C. Characterisation of signalling mechanisms that underlie P2Y receptor-mediated vasoconstriction of rat intrapulmonary artery. *Presented at "Scottish Cardiovascular Forum" Strathclyde Institute of Pharmacy and Biomedical Sciences, University of Strathclyde, Glasgow, Scotland, UK, on 2nd February, 2013. Poster communication number P1.*

Syed, N.H. and Jones, R.L. Comparison of the agonist activities of treprostinil and naxaprostene in systemic blood vessels. *Presented at "Scottish Cardiovascular Forum" Strathclyde Institute of Pharmacy and Biomedical Sciences, University of Strathclyde, Glasgow, Scotland, UK, on 2nd February, 2013. Poster communication number P13.*

Syed, N.H., Tengah, A., Talip, S.T.A., Bujang, S.N.B. and Kennedy, C. Differences in the signalling mechanisms underlying UTP-evoked vasoconstriction of pulmonary and systemic-like arteries. *Presented at "Scottish Cardiovascular Forum" Strathclyde Institute of Pharmacy and Biomedical Sciences, University of Strathclyde, Glasgow, Scotland, UK, on 2nd February, 2013. Poster communication number P44.*

Syed, N.H., Tengah, A., Talip, S.T.A., Bujang, S.N.B. and Kennedy, C. Differences in the signalling mechanisms underlying UTP-evoked vasoconstriction of pulmonary and systemic-like arteries. *Presented at "The British Pharmacological Society" Winter Meeting, London, UK, on 19th December, 2012. Poster communication number PO97.*

Syed, N.H., Tengah, A. and Kennedy, C. Characterisation of signalling mechanisms that underlie P2Y receptor-mediated vasoconstriction of rat intrapulmonary artery. *Presented at "The British Pharmacological Society" Winter Meeting, London, UK, on 13th December, 2011. Poster communication number PO32.*

Syed, N.H., Tengah, A. and Kennedy, C. Characterisation of signalling mechanisms that underlie P2Y receptor-mediated vasoconstriction of rat intrapulmonary artery. *Presented at, The Physiological Society, Themed Meeting on “Vascular and Smooth muscle physiology” at Edinburgh, UK, 6th December, 2011. Poster communication number PC37.*

Syed, N.H., Tengah, A. and Kennedy, C. Characterization of signalling mechanisms that underlie P2Y receptor-mediated vasoconstriction of rat intrapulmonary artery. *Presented at 3rdUK Purine Symposium, held at Cardiff, UK, 2nd November, 2011. Poster communication number 22.*

Conferences/seminars attended

International Pharmaceutical Conference and Exhibition (IPCE- 2016) at Lahore, Pakistan from 21st to 23rd April, 2016.

British Pharmacological Society, Winter Meeting, “Pharmacology, 2015”, London, UK, from 15th to 17th December, 2015.

International Union of Physiological Sciences (IUPS 2013) at Birmingham, UK from 21st to 26th July, 2013.

University Research Day, Strathclyde University, Glasgow, UK (7th June, 2013)

Scottish Cardiovascular Forum (SCF), Strathclyde Institute of Pharmacy and Biomedical Sciences, University of Strathclyde, Glasgow, Scotland, UK, on 2nd February, 2013.

British Pharmacological Society, Winter Meeting, London, UK, from 18th to 20th December, 2012.

The Physiological Society, “Physiology 2012”, Edinburgh, UK, from 2nd to 5th July, 2012.

British Pharmacological Society, Winter Meeting, London, UK, from 13th to 15th December, 2011.

The Physiological Society themed meeting on “Vascular and Smooth Muscle Physiology” at Surgeons Hall, Edinburgh, UK from 6th to 8th December, 2011.

Memberships

British Pharmacological Society, UK

The Physiological Society, UK

Pakistan Pharmacists’ Association, Pakistan

Punjab Pharmacy Council, Pakistan, as a registered pharmacist

Academic Staff Association of Punjab University, Lahore, Pakistan

Kuwait Pharmaceutical Services

Senate and Board of Faculty of Pharmacy, University of the Punjab, Lahore, Pakistan

Syndicate of University of the Punjab, Lahore, Pakistan (2002 – 2005)

Board of Studies of Pharmacy (previously)

Interests and Achievements

Sports

International Basketball Player; Represented Pakistan's Basketball Team in Asian Basketball Confederation Championship at Hong Kong (1983)
Punjab University Blues in Basketball (1982-83)
Pakistan University's Colour in Basketball (1984-85 and 1985-86)
President Punjab University Teaching Department Basketball Club
President Punjab University Basketball club (2004 – 2005)
Watch sports

Others

Tourism, Hiking, Trekking and Hill walking
Music
Reading and Writing