NMR structural studies of protein-small molecule interactions

Shah, D.M.

List of publications

1. De Groote, FH., Jansen, JG., Masuda, Y., **Shah, DM.**, Kamiya, K., de Wind, N., Siegal, G.
The Rev1 translesion synthesis polymerase has multiple distinct DNA binding modes.
DNA Repair (Amst), **2011**, 10(9):915-25

2. **Shah, DM.**, AB, E., Diercks, T., Hass, MAS., van Nuland, NAJ., Siegal, G.
Rapid protein-ligand costructures from sparse NOE data.
J Med Chem. **2012**, 55(23):10786-90.

3. **Shah, DM.**, Kobayashi, M., Keizers, PHJ., Tuin, AW., AB, E., Manning, L.,
Rzepiela, AA., Andrews, M., Hoedemaeker, FJ., Siegal, G.
Inhibition of small GTPases by stabilization of the GDP Complex, a novel approach applied to Rit1, a target for rheumatoid arthritis.
Manuscript to be submitted

4. **Shah, DM.,** AB, E., Nachane, RK., Hollander, JG., Baker, DA., Siegal, G.
Discovery of small molecule fragments that inhibit the DNA binding of the TEL-ETS domain.
Manuscript to be submitted

Curriculum Vitae

Dipen Shah was born on 26th of January 1985 in Mangalore, India. He obtained his Bachelor's degree in Pharmaceutical Sciences from ICT (Institute of Chemical Technology), University of Mumbai in 2006. After his graduation, he was awarded "J.N.Tata Endowment for the Higher Education of Indians" and "Nagher Samaj Educational Foundation" scholarships to pursue MRes degree (Master of Research) in Biomedical Sciences at University of Glasgow, Scotland, U.K. During the master's course, he had the opportunity to carry out research projects under the supervision of Dr. Niall Fraser and Prof. Dr. Graeme Milligan. The research work involved expression and functional characterization of adenosine and dopamine GPCRs (G-protein coupled receptors). In October 2007, he started his PhD in the Protein Chemistry group under the supervision of Dr. Gregg Siegal. The research focused on developing and implementing NMR based methods to investigate protein-small molecule complexes. Part of the work described in the thesis was presented at the Gordon Research Conference on DNA damage and mutations in 2010 at Ventura, CA, USA and CHAINS 2011 (Chemistry as Innovating Science) in Maarssen, the Netherlands. Since January 2012, he is employed as Postdoctoral Scientist at ZoBio BV, a company that provides tools for fragment based drug discovery.