

Statement by the applicant (Dr. Dipyaman Ganguly):

I declare that the research work under reference (*Discovery of Piezo1 channels as crucial sensors of mechanical cues in the context of activation and chemotaxis of human T lymphocytes*) has not been given any award. I duly acknowledged below the contribution of all researchers who contributed to the research.

Sincerely,



Dr. Dipyaman Ganguly

Acknowledgement for the contribution of others associated with the research:

Research work under reference: *Discovery of Piezo1 channels as crucial sensors of mechanical cues in the context of activation and chemotaxis of human T lymphocytes* (The study was financially supported by Council of Scientific and Industrial Research, India).

a) Discovery of Piezo1 channels as crucial sensors of mechanical cues in the context of activation of human T lymphocytes (J Immunol, 2018):

- Dr. Chinky Liu (PhD student under supervision of Dr. Dipyaman Ganguly, CSIR-IICB) performed and helped in analyzing all the experiments.
- Dr. Deblina Raychaudhuri, Dr. Amrit Raj Ghosh and Dr. Oindrila Rahaman (then PhD students under supervision of Dr. Dipyaman Ganguly) helped with cell culture and confocal microscopy experiments.
- Dr. Yogaditya Chakrabarty (then a PhD student from CSIR-IICB) helped with microscopy image analyses.
- Dr. Barnali Paul (then PhD student under supervision of Dr. Arindam Talukdar) and Dr. Arindam Talukdar (from CSIR-IICB) helped by synthesizing the Piezo1 agonist Yoda-1 that was not commercially available at the time of the study.
- Dr. Dipyaman Ganguly conceptualized and supervised the study, acquired funding, designed experiments and wrote the manuscript with input from all authors.

b) Discovery of Piezo1 channels as crucial sensors of mechanical cues in the context of chemotactic migration of human T lymphocytes (eLife, 2023):

- Dr. Chinky Liu (PhD student and then a postdoctoral fellow under supervision of Dr. Dipyaman Ganguly, CSIR-IICB) performed and helped in analyzing all the experiments.
- Tithi Mandal (PhD student under supervision of Dr. Bidisha Sinha), Dr. Bidisha Sinha (from IISER, Kolkata) and Dr. Chinky Liu performed interference reflection microscopy (IRM) experiments; Tithi Mandal and Dr. Bidisha Sinha (from IISER, Kolkata) analyzed the IRM data. Parijat Biswas (PhD student of Dr. Deepak K. Sinha) and Dr. Deepak K. Sinha (from IACS, Kolkata) helped with microscopy image analyses.
- Purbita Bandopadhyay, Md. Asmaul Hoque, Bishnu Prasad Sinha, Jafar Sarif and Ranit D' Rozario (all PhD students under supervision of Dr. Dipyaman Ganguly) helped with cell culture and confocal microscopy experiments.
- Dr. Dipyaman Ganguly conceptualized and supervised the study, acquired funding, designed experiments and wrote the manuscript with input from all authors.