LIST OF PUBLICATIONS

1. **Shubhi Pandey**, Punita Kumari, Mithu Baidya, Ryoji Kise, Yubo Cao, Hemlata Dwivedi-Agnihotri, Ramanuj Banerjee, Xaria X. Li, Cedric S. Cui, John D. Lee, Kouki Kawakami, Jagannath Maharana, Ashutosh Ranjan, Madhu Chaturvedi, Gagan Deep Jhingan, Stéphane A. Laporte, Trent M. Woodruff, Asuka Inoue and Arun K. Shukla*. *Intrinsic bias at non-canonical,* β-*arrestin-coupled seven transmembrane receptors.* **Molecular cell** (in press).
2. **Shubhi Pandey,** Xaria X Li, Ashish Srivastava, Mithu Baidya, Punita Kumari, Hemlata Dwivedi, Madhu Chaturvedi, Eshan Ghosh, Trent M Woodruff and Arun K Shukla*. *Partial ligand-receptor engagement yields functional bias at the human complement receptor, C5aR1*. **Journal of Biological Chemistry, 2019,** 294(24), 9416-2429.
3. **Shubhi Pandey,** Shirsha Saha, and Arun K Shukla*. *Transmitting the Signal: Structure of the* β*1-Adrenergic Receptor-Gs Protein Complex*. **Molecular Cell, 2020,** 80(1), 3-5.
4. **Shubhi Pandey**, Jagannath Maharana, Xaria X Li, Trent M Woodruff, and Arun K Shukla*. *Emerging Insights into the Structure and Function of Complement C5a Receptors*. **Trends in Biochemical Sciences, 2020,** 45(8), 693-705.
5. **Shubhi Pandey**, Jagannath Maharana and Arun K Shukla*. *The Gut Feeling: GPCRs Enlighten the Way*. **Cell Host and Microbe, 2019,** 26(2), 160-162.
6. **Shubhi Pandey,** Debarati Roy and Arun K Shukla*. *Measuring surface expression and endocytosis of GPCRs using whole-cell ELISA*. **Methods in Cell Biology, 2019,** 149, 131-140**.**
7. Mithu Baidya, Punita Kumari, Hemlata Dwivedi-Agnihotri, **Shubhi Pandey**, Madhu Chaturvedi, Tomasz Maciej Stepniewski, Kouki Kawakami, Yubo Cao, Stéphane A Laporte, Jana Selent, Asuka Inoue, and Arun K Shukla*. *Key phosphorylation sites in GPCR s orchestrate the contribution of* β*-Arrestin 1 in ERK 1/2 activation*. **EMBO Reports**, **2020**, 21(9), e49886.
8. Hemlata Dwivedi-Agnihotri, Madhu Chaturvedi, Mithu Baidya, Tomasz Maciej Stepniewski, **Shubhi Pandey**, Jagannath Maharana, Ashish Srivastava, Natarin Caengprasath, Aylin C Hanyaloglu, Jana Selent, and Arun K Shukla*. *Distinct phosphorylation sites in a prototypical GPCR differently orchestrate* β*-arrestin interaction, trafficking, and signaling.* **Science advances, 2020,** 6(37), eabb8368.
9. Yang Lee, Tony Warne, Rony Nehmé, **Shubhi Pandey**, Hemlata Dwivedi-Agnihotri, Madhu Chaturvedi, Patricia C Edwards, Javier García-Nafría, Andrew GW Leslie, Arun K Shukla, and Christopher G Tate*. *Molecular basis of* β*-arrestin coupling to formoterol-bound* β*1-adrenoceptor*. **Nature, 2020,** 583 (7818), 862-866.
10. Mithu Baidya, Punita Kumari, Hemlata Dwivedi-Agnihotri, **Shubhi Pandey**, Badr Sokrat, Silvia Sposini, Madhu Chaturvedi, Ashish Srivastava, Debarati Roy, Aylin C Hanyaloglu, Michel Bouvier, and Arun K Shukla*. *Genetically encoded intrabody sensors report the interaction and trafficking of* β*-arrestin 1 upon activation of G protein–coupled receptors.* **Journal of Biological Chemistry, 2020,** 295(30), 10153-10167.
11. Eshan Ghosh, Hemlata Dwivedi, Mithu Baidya, Ashish Srivastava, Punita Kumari, Tomek Stepniewski, Hee Ryung Kim, Mi-Hye Lee, Jaana van Gastel, Madhu Chaturvedi, Debarati Roy, **Shubhi Pandey**, Jagannath Maharana, Ramon Guixà-Gonzàlez, Louis M Luttrell, Ka Young Chung, Somnath Dutta, Jana Selent and Arun K Shukla*. *Conformational sensors and domain-swapping reveal structural and functional differences between β-arrestin isoforms.* **Cell Reports, 2019,** 28(13), 3287-3299.e6.
12. Haris Ahsan Safdari, **Shubhi Pandey,** Arun K Shukla and Somnath Dutta. *Illuminating GPCR signaling by cryo-EM.* **Trends in Cell Biology, 2018,** 28 (8), 591-594.

13. Ravi Ranjan, **Shubhi Pandey** and Arun K Shukla*. *Biased opioid receptor ligands: Gain without Pain.* **Trends in Endocrinology and Metabolism, 2017,** 28(4), 247-249.