



## **NARUMIYA, Shuh**

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### **RESEARCH TOPICS**

Molecular biology and pharmacology of prostanoid receptors  
Signal transduction and functions of the small GTPase Rho and its effectors

### **EDUCATION**

- 1973 M.D. from Kyoto University Faculty of Medicine
- 1979 Ph.D. in Biochemistry from Kyoto University Graduate School of Medicine

### **POSITIONS**

- 1979-1981 Postdoctoral fellow, the Wellcome Research Laboratories, England
- 1981-1987 Assistant Professor, Kyoto University Faculty of Medicine
- 1987-1991 Associate Professor Kyoto University Faculty of Medicine
- 1992- Professor Kyoto University Faculty of Medicine
- 2004-2007 Dean, Kyoto University Faculty of Medicine
- 2007- Director, The Center of Innovation in Immunoregulative Technology and Therapeutics, Kyoto University

### **AWARDS (Selected)**

- 1999 Takeda Prize of Medicine
- 1999 Erwin von Baelz Prize
- 1999 Dolan B. Pritchett Memorial Lecturer, University of Pennsylvania, U.S.A.
- 2000 The Giovanni Lorenzini Gold Medal, Italy.
- 2002 Uehara Prize
- 2006 The Imperial Prize and the Japan Academy Prize
- 2008 The Ulysses Medal, The University College Dublin, Ireland.
- 2009 Inflammation Research Lifetime Achievement Award, The International Association of Inflammation Societies
- 2012 The Ebashi Award, the Japanese Pharmacological Society



### **RELEVANT PUBLICATION**

- (1) Aoki T, Narumiya S (2012) Prostaglandins and chronic inflammation. *Trends Pharmacol. Sci.*, **33**, 304-311.
- (2) Narumiya & Furuyashiki (2011) Fever, inflammation, pain and beyond: prostanoid receptor research during these 25 years. *FASEB J.* **25**, 813-818
- (3) Honda *et al.* (2006) [Prostacyclin-IP signaling and prostaglandin E<sub>2</sub>-EP2/EP4 signaling both mediate joint inflammation in mouse collagen-induced arthritis.](#) *J. Exp. Med.* **203**, 325-335
- (4) Yao *et al.* (2009) Prostaglandin E<sub>2</sub>-EP4 signaling promotes immune inflammation through T<sub>H</sub>1 cell differentiation and T<sub>H</sub>17 cell expansion. *Nature Med.* **15**, 633-640
- (5) Aoki *et al.* (2011) PGE<sub>2</sub>-EP2 signaling in endothelium is activated to hemodynamic stress and induces cerebral aneurysm through an amplifying loop via NF- $\kappa$ B. *Br. J. Pharmacol.* **163**, 1237-1249.
- (6) Oga *et al.* (2009) Prostaglandin F<sub>2</sub>  $\alpha$ -FP signaling facilitates bleomycin-induced pulmonary fibrosis independently of TGF- $\beta$ . *Nature Med.* **15**, 1426-1430