

## Curriculum Vitae Shigefumi Hata, Ph.D.



Sex : Male  
Birth date : May 17, 1982  
Nationality : Japan  
Address : Department of Physics and Astronomy,  
Graduate School of Science and Engineering, Kagoshima University,  
Korimoto 1-21-35, 890-0065 Kagoshima, Japan  
Tel : +81 99 285 8075  
Fax : +81 99 285 8088  
Email : [sighata@sci.kagoshima-u.ac.jp](mailto:sighata@sci.kagoshima-u.ac.jp)  
Webpage : <http://sig-hata.com>

### Education

- 2008 - 2012  
Department of Physics, Graduate School of Science, Kyoto University, Japan  
Awarded Ph.D. of Science in Physics on March 26th.  
thesis: "Optimal response property of rhythmic elements for stochastic synchronization"  
Supervised by Prof. Shigeru Shinomoto
- 2006 - 2008  
Department of Physics, Graduate School of Science, Kyoto University, Japan  
Awarded Master degree of Science in Physics on March 26th.  
Supervised by Prof. Shigeru Shinomoto
- 2002 - 2006  
Department of Physics, Faculty of Science, Osaka University, Japan  
Graduated on March 29th.

### **Research experience**

- Feb. 2016 - present  
Associate professor  
in Graduate School of Science and Engineering, Kagoshima University.
- Feb. 2016 - Mar. 2016  
Visiting senior scientist  
in Japan Agency for Marine-Earth Science and Technology (JAMSTEC), Japan.
- Apr. 2014 - Jan. 2016  
Scientist  
in Japan Agency for Marine-Earth Science and Technology (JAMSTEC), Japan.
- Apr. 2012 - Mar. 2014  
JSPS fellow for research abroad  
Host: Fritz Haber Institute of the Max Planck Society, Berlin, Germany.
- Apr. 2008 - Mar. 2012  
Research assistant  
in Department of Physics, Graduate School of Science, Kyoto University, Japan.

### **Teaching experience**

- Feb. 2016 - present  
Associate professor  
in Graduate School of Science and Engineering, Kagoshima University.  
subjects: Statistical Physics, Thermodynamics,
- Apr. 2007 - Mar. 2012  
Teaching assistant  
in Department of Physics, Graduate School of Science, Kyoto University, Japan  
subjects: Mathematical Physics, Statistical Physics, Thermodynamics.

### **Other technical experience**

- 2008 - 2009  
Animal experimentation  
in Tamagawa University Brain Research Institute, Japan  
Multi-unit in vivo extra-cellular recording from anesthetized rat brain.

**Research Grant, Fellowship**

- Apr. 2015 - Mar. 2018 (scheduled)  
JSPS Grant-in-aid for Challenging Exploratory Research (3,510,000 JPY)
- Aug. 2014 - Mar. 2015  
JSPS Grant-in-aid for Research Activity Start-up (1,170,000 JPY)
- Apr. 2012 - Mar. 2014  
JSPS fellowship for research abroad (10,512,000 JPY including living and research costs)

**Award, Honor**

- Poster Award of GCOE Symposium, Links among Hierarchies,  
Kyoto Univ., Japan, Feb. 2012.
- Global Center of Excellence, Support for International Travel (Award No.T1101),  
Kyoto Univ., Apr. 2011.
- Global Center of Excellence, Bi-directional International Exchange Program (Award  
No.A10),  
Kyoto Univ., Mar. 2011.  
(Host: Fritz Haber Institute of the Max Planck Society, Jun. 2011 - Aug. 2011)
- Best Poster Award (Gold Prize) of The 1st International Symposium on Innovative  
Mathematical Modelling,  
The Univ. of Tokyo, Japan, Feb. 2011.
- Awarded Scholarship by Iue memorial foundation,  
Apr. 2010 - Mar. 2011.
- Awarded Scholarship by Japan Student Services Organization,  
Apr. 2008 - Mar. 2011.
- Poster Award of GCOE Symposium, Symmetry Breaking and Quantum Phenomena,  
Kyoto Univ., Japan, Feb. 2010.