



### PERSONAL INFORMATION

- ❖ **Date and place of birth:** May 20<sup>th</sup>, 1979 / Pontianak, West Kalimantan-Indonesia.

### CAREERS

#### ☒ DANONE NUTRICIA

- **2019 - PRESENT** : **SENIOR PROJECT LEADER**  
**DANONE NUTRICIA RESEARCH, SINGAPORE**
- **2017 - 2019** : **SCIENTIFIC ANALYTICAL TEAM LEADER**  
**DANONE NUTRICIA RESEARCH, SINGAPORE**
- **2015 - 2017** : **SENIOR IMMUNOLOGY SCIENTIST**  
**DANONE NUTRICIA RESEARCH, SINGAPORE**
- **2013 - 2015** : **IMMUNOLOGY SCIENTIST**  
**DANONE NUTRICIA RESEARCH, SINGAPORE**

#### ☒ A\*STAR - SINGAPORE

- **2010 - 2013** : **RESEARCH FELLOW**  
**RESEARCH LAB OF PROF. ANTONIO BERTOLETTI, M.D.**  
**SINGAPORE INSTITUTE FOR CLINICAL SCIENCES**

#### ☒ UNIVERSITY OF PELITA HARAPAN - INDONESIA

- **2006 - 2007** : **LECTURER**  
**FACULTY OF MEDICINE**

### PAPER PUBLICATIONS

- Joost W. Gouw\*, **Juandy Jo\***, Laura A. P. M. Meulenbroek, T. Sam Heijger, Erica Kremer, Elena Sandalova, André C. Knulst, Prescilla V. Jeurink, Johan Garssen, Anneke Rijnierse and Léon M. J. Knippels. Identification of peptides with tolerogenic potential in a hydrolysed whey-based infant formula. **Clin Exp Allergy** **2018;48(10):1345-1353**.  
\* = joint 1st author.
- Johan Garssen and **Juandy Jo**. *Genetically-engineered T cells to treat viral hepatitis-associated liver cancer: is it possible?* **AIMS Allergy & Immunology** **2017;1(1):43-49** (review).
- Alfonso Tan-Garcia, Lu-En Wai, Dahai Zheng, Erica Ceccarello, **Juandy Jo**, Nasirah Banu, Atefeh Khakpoor, Adeline Chia, Christine Y.L. Tham, Anthony T. Tan, Michelle Hong, Choong Tat Keng, Laura Rivino, Kai Chah Tan, Kang Hoe Lee, Seng Gee Lim, Evan W. Newell, Norman Pavelka, Jinmiao Chen, Florent Ginhoux, Qingfeng Chen, Antonio Bertoletti and Charles-Antoine Dutertre. *Intrahepatic CD206\**

*macrophages contribute to inflammation in advanced viral-related liver disease. J Hepatol 2017;S0168-8278(17)32004-4.*

- **Juandy Jo**, Johan Garssen, Leon Knippels and Elena Sandalova. *Role of cellular immunity in cow's milk allergy: pathogenesis, tolerance induction and beyond. Mediators Inflamm 2014;2014:249784* (review).
- **Juandy Jo**, Anthony T. Tan, James E. Ussher, Elena Sandalova, Xin-Zi Tang, Alfonso Tan-Garcia, Natalie To, Michelle Hong, Adeline Chia, Upkar S. Gill, Patrick T. Kennedy, Kai Chah Tan, Kang Hoe Lee, Gennaro De Libero, Adam J. Gehring, Christian B. Willberg, Paul Klenerman and Antonio Bertoletti. *Toll-like receptor 8 agonist and bacteria trigger potent activation of innate immune cells in human liver. PLoS Pathog 2014;10(6):e1004210.*
- Nicola F. Fletcher, Rupesh Sutaria, **Juandy Jo**, Amy Barnes, Miroslava Blahova, Luke W. Meredith, Francois-Loic Cosset, Stuart M. Curbishley, David H. Adams, Antonio Bertoletti and Jane A. McKeating. *Activated macrophages promote hepatitis C virus entry in a tumor necrosis factor-dependent manner. Hepatology 2014;59(4):1320-30.*
- Amina A. Negash, Hilario J. Ramos, Nanette Crochet, Daryl T. Y. Lau, Brian Doehle, Neven Papic, Don A. Delker, **Juandy Jo**, Antonio Bertoletti, Curt H. Hagedorn and Michael Gale Jr. *IL-1b production through the NLRP3 inflammasome by hepatic macrophages links hepatitis C virus infection with liver inflammation and disease. PLoS Pathog 2013;9(4):e1003330.*
- Xin-Zi Tang\*, **Juandy Jo**\*, Anthony T. Tan\*, Elena Sandalova\*, Adeline Chia, Kai Chah Tan, Kang Hoe Lee, Adam J. Gehring, Gennaro De Libero and Antonio Bertoletti. *IL-7 licenses activation of human liver intrasinusoidal mucosal-associated invariant T cells. J Immunol 2013;190(7):3142-52.*  
\* = joint 1<sup>st</sup> author.
- Patrick Kennedy, Elena Sandalova, **Juandy Jo**, Upkar Gill, Ines Ushiro-Lumb, Anthony T. Tan, Sandhia Naik, Graham Foster and Antonio Bertoletti. *Preserved T cell function in children and young adults with immune tolerant chronic hepatitis B. Gastroenterology 2012;143(3):637-45.*
- **Juandy Jo**, Bertram Bengsch, Bianca Seigel, Sibylle J. Rau, Julia Schmidt, Emmanuel Bisse, Peter Aichele, Ulrike Aichele, Lars Joeckel, Cathy Royer, Karine Sá Ferreira, Christoph Borner, Thomas F. Baumert, Hubert E. Blum, Volker Lohmann, Richard Fischer and Robert Thimme. *Low perforin expression of early differentiated HCV-specific CD8<sup>+</sup> T cells limits their hepatotoxic potential. J Hepatol 2012;57(1):9-16.*
- **Juandy Jo**, Volker Lohmann, Ralf Bartenschlager and Robert Thimme. *Experimental models to study the immunobiology of hepatitis C virus. J Gen Virol 2011;92(Pt3):477-93* (review).
- **Juandy Jo**, Ulrike Aichele, Nadine Kersting, Rahel Klein, Peter Aichele, Emmanuel Bisse, Andrew K. Sewell, Hubert E. Blum, Ralf Bartenschlager, Volker Lohmann and Robert Thimme. *Analysis of CD8<sup>+</sup> T-cell-mediated inhibition of hepatitis C virus replication using a novel immunological model. Gastroenterology 2009;136(4):1391-401.*

#### BOOK CHAPTER PUBLICATIONS

- **Juandy Jo**, Johan Garssen, Leon M. J. Knippels and Elena Sandalova. *Understanding the Roles of the Immune System in Cow's Milk Allergy. In Research on Immunology, 2016.* iConcept Press Ltd.
- **Juandy Jo**, Anthony T. Tan and Antonio Bertoletti. *Chapter 13. Murine Models and Human Studies of Pathogenesis of Chronic Hepatitis B. In Howard C. Thomas, Anna S. F. Lok, Stephen A. Locarnini and Arie J. Zuckerman (Eds.) Viral Hepatitis, 4<sup>th</sup> edition, 2013.* NJ, Wiley-Blackwell.

#### ORAL PRESENTATIONS

- **Sharing Learning Forum for BPOM, May 9<sup>th</sup>, 2019 Jakarta-Indonesia** : *Immunological insights on cow's milk allergy prevention.*

- **Anniversary Seminar of Biology Program of Universitas Pelita Harapan, May 2<sup>nd</sup>, 2019, Karawaci-Indonesia** : *Cow's milk allergy\_ immunological insights on prevention.*
- **The Gut Health Congress: Asia, September 17<sup>th</sup>-18<sup>th</sup>, 2018, Hongkong-China** : Identification of peptides with tolerogenic potential in a hydrolysed whey-based infant formula.
- **The 1<sup>st</sup> International Seminar on Nutrition, December 3<sup>rd</sup>, 2016, Depok-Indonesia** : *Allergy on the rise: the role of the first 1000 days of life.*
- **Science in Singapore: Academia and Beyond, October 1<sup>st</sup>, 2015, Singapore** : *My career in industry.*
- **The 3<sup>rd</sup> Annual Meeting of Indonesian Pediatric Allergy and Clinical Immunology, August 22<sup>nd</sup>-23<sup>rd</sup>, 2015, Padang-Indonesia** : *Immune tolerance induction: insights from food allergy.*
- **The Allergy Prevention Seminar, December 4<sup>th</sup>, 2014, Hongkong-China** : *Latest insights on early life factors and allergy prevention.*
- **The 2013 International Meeting on Molecular Biology of Hepatitis B Viruses, October 20<sup>th</sup>-23<sup>rd</sup>, 2013, Shanghai-China** : *Selective activation of intrahepatic immunity with TLR8 agonist: a potent therapeutic strategy to boost antiviral immunity in human liver.*
- **The 48<sup>th</sup> Annual Meeting of the European Association for the Study of the Liver, April 24<sup>th</sup>-28<sup>th</sup>, 2013, Amsterdam-the Netherlands** : *Selective activation of intrahepatic immunity with TLR8 agonist: a potent therapeutic strategy to boost antiviral immunity in human liver.*
- **The 15<sup>th</sup> International Conference on Emerging Infectious Diseases in the Pacific Rim, March 11<sup>th</sup>-13<sup>th</sup>, 2013, Singapore** : *Selective activation of intrahepatic immunity with TLR8 agonist: a potent therapeutic strategy to boost antiviral immunity in human liver.*
- **The 20<sup>th</sup> Conference of the APASL, March 25<sup>th</sup>-28<sup>th</sup>, 2010, Beijing-China** : *Central role of CD8<sup>+</sup> T-cell-mediated non-cytolytic effector functions for inhibition of hepatitis C virus replication.*
- **The RCAI International Summer Program, July 3<sup>rd</sup>-10<sup>th</sup>, 2009, Yokohama-Japan** : *Analysis of CD8<sup>+</sup> T cell-mediated inhibition of hepatitis C virus replication using a novel immunological model.*
- **Gastroenterology-Regio-Meeting, September 12<sup>th</sup>, 2008, Strasbourg-France** : *An immunological model of HCV infection.*

#### EDUCATION ATTAINMENTS

- ☒ **Doctor rerum naturalium (fully supported by DFG) : 2007 - 2010**
  - **Research Group of Prof. Dr. med. Robert Thimme  
Spemann Graduate School of Biology and Medicine  
Albert-Ludwigs Universitat Freiburg, Freiburg-Germany  
GPA (total / max) : 1.50 / 1.00 (Cum Laude).**
- ☒ **Master of Molecular Biology (fully supported by ADS) : 2004 - 2005**
  - **University of Queensland, Brisbane-Australia  
GPA (total / max) : 7.00 / 7.00 (High Distinction).**
- ☒ **Medical Doctor : 1997 - 2003**
  - **Universitas Gadjah Mada, Yogyakarta-Indonesia  
GPA (total / max) : 3.87 / 4.00 (Cum Laude).**