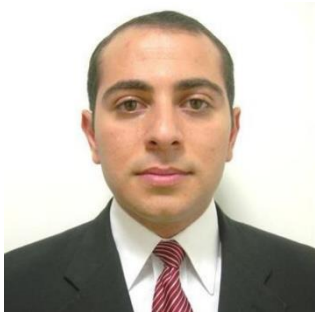
# Hamza N. Hanieh

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**Degree:**

**April/2007-March/2010, Okayama University, Okayama, Japan**

- Ph.D. in Bioscience
  Molecular Immunology
  Department Bioscience
  Graduate School of Natural Science and Technology

**Current Position:**

**September/2011-present, King Faisal University (KFU), Hofuf, KSA**

- Assistant Professor
  Biological Sciences Department
  College of Science

**Courses have been taught:**

**September/2011-present, KFU**

- Principles of Immunology
- Molecular Genetics
- Cytology
- General Biology – Engineering
- General Biology – Science
- General Biology – Agriculture

**Employment History:**

**August/2010-August/2011, Osaka University, Osaka, Japan**

- Specially Appointed Researcher (Full-time)
  Laboratory of Immune Regulation
  World Premier International-Immunology Frontier Research Center (WPI-IFReC)

**May/2008-Febreuary/2010, Okayama University**

- Teaching Assistant
  Laboratory of Immunology and Pharmacology
  Department of Bioscience
  Graduate School of Natural Science and Technology

**Professional Membership:**

- Japanese Society for Immunology, Tokyo, Japan
- The American Association of Immunologists (AAI), MD, USA

## Selected Meetings and Conferences:

**October/2014**

- Cytokines Down Under 2014: From Bench to Beyond, Melbourne, Australia

**August/2013**

- 15th International Congress of Immunology, Milan, Italy

**October/2011**

- 9th Joint Meeting of International Cytokine Society and International Society for Interferon and Cytokine Research, Florence, Italy

**January/2011**

- MicroRNA in Human Disease and Development, Boston, USA

**November/2011**

- The 40th Meeting of Japanese Society For Immunology, Tokyo, Japan

**August/2010**

- 13th International Congress of Immunology, Kobe, Japan

**March/2009**

- WPSA Annual Meeting, Southport, UK

## Research Experience

- Studying the role of Arid5a in mRNA stability of inflammation-related genes.
- Researching transcriptional regulation of Ahr on miRNAs in immune and cancer cells.
- Studying the role Ahr/miRNAs axis in development of chronic inflammation and autoimmune disorders such as Multiple Sclerosis, Rheumatoid Arthritis and Colitis.
- The role of Ahr/miRNA axis in metastasis of breast cancer.
- Evaluation of the anti-cancer activities novel designed compounds.

## Scholarships:

**October/2004-March/2006, Monbokagakusho: MEXT, Tokyo, Japan**

- Japanese Government Scholarship for Research and Graduate Studies (Ph.D.)

**March/2006-March/2010, MEXT**

- Japanese Government Scholarship for Research and Graduate Studies (MSc)

**September/2000-June/2003, Ministry of Higher Education and Scientific Research, Amman, Jordan**

- First Ranking Student Scholarship for Scientific Excellence

## Awards:

**June/2016, KFU**

- Distinction Award In Quality Assurance

**June-August/2016, Kishimoto Foundation, WPI-IFReC**

- Junior Researcher Fellowship

**June-August/2014, Kishimoto Foundation**

- Junior Researcher Fellowship

**June - August/2015, Kishimoto Foundation**
- Junior Researcher Fellowship

**June/2003, Jordan University of Science and Technology (JUST), Irbid, Jordan**
- First Ranking Academic Excellence Award

**August/2003, Engineering Association, Amman, Jordan.**
- First Ranking Student in Academic Excellence Award

## Training

**February/2012-present, KFU**
- Selected training courses in Quality Assurance and Accreditation
  - Program Description
  - Course Description
  - Course Reports
  - Assessing Teaching Quality
  - Meeting Accreditation Standards
  - Leadership Preparation

**September/2013 Siica, Milan, Italy**
- Clinical Immunology

## Trainer:

**September/2015-present, KFU**
- Standard practices of quality assurance (Course Report and Course Specification)
- Registration in international databases (SCOPUS, ORCID and Google Scholar)

## Publications:

**Refereed Papers:**

- **Hanieh H**, Mohafez O, Hairul-Islam V, Alzahrani A, Bani Ismail M, Thirugnanasambantham K. A novel aryl hydrocarbon receptor agonist suppresses migration and invasion in breast cancer cells. PLOS ONE. 11(12):e0167650. December/2016.

- Zaman M, Kazuya M, Nyati K, Bubey P, Ripley B, Wang K, Chalis J, Higa M, **Hanieh H**, Kishimoto T. Arid5a exacerbates IFN-γ-mediated septic shock by stabilizing T-bet mRNA. PNAS. 113(41):11543-11548. October/2016.

- Masuda K, Ripley B, Nyati K, Dubey P, Zaman M, **Hanieh H** et al. Arid5a regulates naïve CD4+ T-cell fate through selective stabilization of Stat3 mRNA. *J Exp Med*. 4;213(4):605-19. April/2016.

- **Hanieh H.** Aryl hydrocarbon receptor-microRNA-212/132 axis in human breast cancer suppresses metastasis by targeting SOX4. *Mol Cancer***.** 14:172. September/2015.

- Chinen I, Nakahama T, Kimura A, Nguyen NT, Takemori H, Kumagai A, Kayama H, Takeda K, Lee S, **Hanieh H** *et al*. The aryl hydrocarbon receptor/microRNA-212/132 axis in

T cells regulates IL-10 production to maintain intestinal homeostasis. *Int Immunol*. 27(8):405-15. August/2015.

- Saravanan S, Thirugnanasambantham K, **Hanieh H** *et al*. miRNA-24 and miRNA-466i-5p controls inflammation in rat hepatocytes. *Cell Mol Immunol*. 12(1):113-5. September/2014.

- **Hanieh H**. Toward understanding the role of Ahr in the immune system: current progress and future trends. *BioMed Research International*. 2014:520763. January/2014.

- **Hanieh H**, Alzahrani A. MicroRNA-132 suppresses autoimmune encephalomyelitis by inducing cholinergic anti-inflammation: a new Ahr-based exploration. *European Journal of Immunology*. 43(10):2771-82. October/2013.

- Nakahama T, **Hanieh H**, Nguyen NT *et al*. Aryl hydrocarbon receptor-mediated induction of the microRNA-132/212 cluster promotes interleukin-17-producing T-helper cell differentiation. *Proc Natl Acad Sci U S A*. 110(29):11964-9. June/2013.

- Nguyen NT, **Hanieh H**, Nakahama T, Kishimoto T. The role of the aryl hydrocarbon receptor in immune responses. *International Immunology*. 25(6):335-43. April/2013. First three authors are equally contributed.

- Alzahrani A, Ragia G, **Hanieh H**, Manolopoulos VG. Genotyping of CYP2C9 and VKORC1 in the Arabic Population of Al-Ahsa, Saudi Arabia. *Biomedical Research International*. 2013:315980. April/2013.

- **Hanieh H**. Toward understanding the role of aryl hydrocarbon receptor in the immune system: current progress and future trends. *BioMed Research International*. Accepted article to be published in December 2013.

- Masuda K, Kimura A, **Hanieh H** *et al.* Aryl hydrocarbon receptor negatively regulates LPS-induced IL-6 production through suppression of histamine production in macrophages. *International Immunology*. 23(10),637-645. August/2011.

- Nakahama T, Kimuar A, Nguyen NT, Chinen I, **Hanieh H** *et al*. Aryl hydrocarbon receptor deficiency in T cells suppresses the development of collagen-induced arthritis. *Proc Natl Acad Sci U S A.* 108(34), 14222-14227. July/2011.

- **Hanieh H**, Narabara K, Tanaka Y *et al*. Immunomodulatory effects of *Allium*s and *Ipomoea batata* extracts on lymphocytes and macrophages functions in White Leghorn chickens: *in vitro* study. *Animal Science Journal.* 83(1):68-76. January/2012.

- **Hanieh H**, Narabara K, Gerilechaogetu *et al*. Modulatory effects of two levels of dietary *Allium*s on immune response and certain immunological variables, following immunization, in White Leghorn chickens. *Animal Science Journal.* 81, 673-680. December/2010.

- **Hanieh H**, Gerilechaogetu, Narabara K *et al*. *In vivo* immunomodulatory effects of dietary purple sweet potato after immunization in chicken. *Animal Science Journal.* 81, 116-121. February/2010.

- Narabara K, Abe A, Gerilechaogetu, **Hanieh H**, Kondo Y. B cell differentiation in the bursa of Fabricius and spleen of embryos and chicks immediately after hatching. *Animal Science Journal*. 80, 669-677. December/2009.

- Gerilechaogetu, **Hanieh H**, Abe A, Kondo Y. Extracellular signal-regulated kinase (ERK) activation in chicken heterophils stimulated with phorbol 12-myristate 13-acetate (PMA), Formyl-methionylleucyl-phenylalanine (fMLP) and lipopolysaccharide (LPS). *Animal Science Journal*. 80, 577-584. October/2009.

**Others:**

- Kazuya Masuda, Barry Ripley, Kishan Kumar Nyati, Praveen Kumar Dubey, Mohammad Mahabub-Uz Zaman, Hamza Hanieh, Tadamitsu Kishimoto. Arid5a enhances the development of Th17 cells by stabilizing Stat3 mRNA. Proceedings of ICIS 2014. No. 299.

- Hanieh Hamza and Alzahrani Abdullah. MicroRNAs—the missing link between aryl hydrocarbon receptor and autoimmunity. European Journal of Immunology-In This Issue. 43 (10), 2522-2523. October 2013. Invited contribution.

- H. Hanieh and A. Alzahrani. miR-132 suppresses autoimmune encephalomyelitis by inducing cholinergic anti-inflammation: a novel Ahr-based exploration. Proceedings of 15th ICI. P.766.

- Taisuke Nakahama, Hamza Hanieh, Nam Nguyen, Ichino Chinen, Tadamitsu Kishimoto. Ahr mediated induction of miR-212/132 cluster enhances Th17 differentiation. Proceedings of JSI. P74. October /2012.

- Nam Nguyen, Tasuke NAKAHAMA, Hamza Hanieh, Ichino Chinen, Tadamitsu Kishimoto. miR-212/132 cluster is involved in M1 differentiation possibly via Ahr-dependent mechanism. Proceedings of JSI. P157. October/ 2012.

- Hanieh Hamza, Masuda Kazuya, Nguyen Nam, Chinen Ichino, Nakahama Taisuke, Kishimoto Tadamitsu. Ahr-mediated transcription of miR-212/132 cluster promotes anti-inflammation in autoimmunity by modulating Treg subset and targeting inflammatory cytokines. Cytokines. 56, 16-17. October/2011.

- Chinen I, Kimura A, Nguyen N, Hanieh H, Nakahama T, Masuda K, Kishimoto T. Aryl hydrocarbon receptor suppression of colon inflammation induced by dextran sulphate Sodium. Cytokines. 56: 29-30. October /2011.

- Kazuya Masuda, Akihiro Kimura, Hamza Hanieh, Nam Trung Nguyen, Taisuke Nakahama, Ichino Chinen, Yuichi Otoyo, Tomotaka Murotani, Atsushi Yamatodani, Tadamitsu Kishimoto. Aryl hydrocarbon receptor suppresses LPS-induced IL-6 production through inhibition of histamine production in macrophages. Cytokine. 56, P39. October /2011.

- Nam Trung Nguyen, Taisuke Nakahama, Hamza Hanieh, Ichino Chinen, Kazuya Masuda, Tadamitsu Kishimoto. Aryl hydrocarbon receptor involves in the expression of several microRNAs in dendritic cells. Cytokine. 56, P5. October/2011.