



Fitra Rianto, MD

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EDUCATIONS & TRAININGS

2009-2016	Doctor of Medicine (M.D) Istanbul University, Cerrahpasa School of Medicine Istanbul, Turkey.
2016-2019	Postdoctoral Fellow, Department of Medicine, Renal Division Emory University School of Medicine Atlanta, GA, USA.
2019-2021	Postdoctoral Associate, Department of Medicine, Nephrology Division Duke University School of Medicine Durham, NC, USA.
2021-2022	Senior Research Associate, Department of Medicine, Nephrology Division Duke University School of Medicine Durham, NC, USA.
2022-2026	Residency, Anatomic and Clinical Pathology Montefiore Medical Center, Albert Einstein School of Medicine Bronx, NY, USA.
2026-2027	Fellowship, Oncologic Surgical Pathology Memorial Sloan Kettering Cancer Center New York, NY, USA.

RESEARCH EXPERIENCES

1. Clinical research, Department of Pathology
Montefiore Medical Center/ Albert Einstein College of Medicine, NY, 07/ 2022-present
 - Engaged in clinical research projects as part of pathology residency training.
2. Postdoctoral Associate, Nephrology Division, Department of Medicine,
Duke University School of Medicine, Durham, NC, 07/2019-06/2022
 - **Focus:** Mechanisms of systemic and pulmonary hypertension in kidney disease, including links to the Renin-Angiotensin System, salt intake, and urea-driven water conservation. Projects:

- Hepato-renal regulation of water conservation in salt-sensitive and CKD-related hypertension
 - Mechanism of pulmonary hypertension in chronic kidney disease mice model.
 - Impact of Renin-Angiotensin System activation on COVID-19 lung injury progression
3. Postdoctoral Fellow, Renal Division, Department of Medicine, Emory University School of Medicine, Atlanta, GA, 11/2016-06/2019
 - **Focus:** Role of transport proteins in urine concentration and kidney/cardiovascular disease using basic and translational research in rodent models. Projects:
 - Effects of urea transporters and high-protein diet on diabetic nephropathy and renal fibrosis
 - Role of potassium load in the development of renal fibrosis.
 4. Student Intern, Konigsberg's lab, Department of Molecular Biophysics and Biochemistry Yale University School of Medicine, New Haven, CT, 06-08/2012
 - **Focus:** Performed plasmid preparation, DNA/RNA purification, and PCR techniques under supervision.

HONOR, AWARDS AND ACCOMPLISHMENTS

1. **Leadership Development Award**, CAP Engaged Leadership Academy, *November 2024*
2. **Resident Forum Delegate**, College of American Pathologist (CAP), *2024-2026*
 - Representing Montefiore Einstein Pathology Residency Program
3. **Social Chair**, Montefiore Einstein Pathology Residency Program, *Since 2023*
4. **Meritorious Research Travel Award**, Epithelial Transport Group, Experimental Biology, *2019*
5. **Poster Award Finalist**, APS Epithelial Transport Group, Experimental Biology, *2019*
6. **Young Investigator Scholar Award**, Southern Society for Clinical Investigation (SSCI), Nephrology Section, *2019*
7. **Relypsa Nephrology and Cardiology Fellowship Grant** (\$50,000), *2018–2019*
8. **Poster Presentation Judge**, Emory Department of Medicine Research Day, *2018*
9. **International Student Representative**, Istanbul University Cerrahpaşa School of Medicine, *2013–2014*
10. **Medical School Scholarship Recipient**, *2009–2016*

PUBLICATIONS

1. Chai J, **Rianto F**, Wang Y. Plasma Cell Neoplasm with Papillary Architecture Mimicking Carcinoma. American Society of Hematology Image Bank. Published date: 05.19.2023.
2. Van Beusecum JP, **Rianto F**, Teakell J, Kon V, Sparks MA, Hoorn EJ, Kirabo A, Ramkumar N. Novel Concepts in Nephron Sodium Transport: A Physiological and Clinical Perspective. *Advances in Kidney Disease and Health* 30 (2), 124-136. **PMID: 36868728.**
3. Lu X, Chen Y, Yang T, **Rianto F**, Hammer G, Crowley SD. Renal A20 Protects Against The Cisplatin-induced Kidney Injury. DOI: https://doi.org/10.1161/hyp.79.suppl_1.061Hypertension. 2022; 79:A061.
4. **Rianto F**, Sparks MA. Shining More Light on RAS Inhibition during the COVID-19 Pandemic. *CJASN* July 2021, 16 (7) 1002-1004; DOI: <https://doi.org/10.2215/CJN.06000521>.
5. Sparks MA, Dilmen E, Ralph DL, **Rianto F**, Hoang TA, Hollis A, Diaz EJ, Adhikari R, Chew G, Petretto E, Gurley S, McDonough AA, Coffman T. Vascular Control of Kidney Epithelial Transporters. *Am J Physiol Renal Physiol*. 2021 May 10. doi: 10.1152/ajprenal.00084.2021. Epub ahead of print. **PMID: 33969697.**

6. **Rianto F**, Hoang T, Revoori R, Sparks MA. Angiotensin receptors in the kidney and vasculature in hypertension and kidney disease. *Mol Cell Endocrinol*. 2021 Jun 1;529:111259. doi: 10.1016/j.mce.2021.111259. Epub 2021 Mar 27. **PMID: 33781840**.
7. Sparks MA, **Rianto F**, Diaz E, Revoori R, Hoang T, Bouknight L, Stegbauer J, Vivekanandan-Giri A, Ruiz P, Pennathur S, Abraham DM, Gurley SB, Crowley SD, Coffman TM. Direct Actions of AT₁ (Type 1 Angiotensin) Receptors in Cardiomyocytes Do Not Contribute to Cardiac Hypertrophy. *Hypertension*. 2021 Feb;77(2):393-404. doi: 10.1161/HYPERTENSIONAHA.119.14079. Epub 2021 Jan 4. PMID: 33390039; PMCID: **PMC7803456**.
8. Husain I, **Rianto F**, Azusu C, Sparks MA. Physiology of blood pressure regulation. *Hypertension Secrete*. (Book chapter)
9. **Rianto F**, Kuma A, Ellis CL, Hasounah F, Wang XH, Sands JM, Klein JD. UT-A1/A3 knockout mice show reduced fibrosis following unilateral ureteral obstruction. *Am J Physiol Renal Physiol*. 2020; 318(5):F1160-F1166. doi:10.1152/ajprenal.00008.2020. **PMID: 32174141**.
10. Kuma A, Wang XH, Klein JD, Tan L, Naqvi N, **Rianto F**, Huang Y, Yu M, Sands JM. Inhibition of urea transporter ameliorates uremic cardiomyopathy in chronic kidney disease. *FASEB J*. 2020;10.1096/fj.202000214RR. doi:10.1096/fj.202000214RR. **PMID: 32367640**.
11. Liwang J, Ruiz J, LaRocque L, **Rianto F**, Ma F, Wang Y. Role of PKC and AMPK in hypertonicity-stimulated water reabsorption in rat inner medullary collecting ducts. *Am J Physiol Renal Physiol*. 2018 Nov 14. Cited in PubMed; **PMID: 30427219**.

ABSTRACTS

1. **Rianto F**, Kurt S, Dar A, Li X, Sheik F, Chadha B, Kuang C, Bhalla. Spectrum of Histopathological Changes in Colorectal Carcinoma Treated With Immunotherapy: Retrospective Review. Accepted (**PLATFORM, POSTER**) to USCAP 2025. Boston, MA, US.
2. Kurt S, Ferraro-Rangel S, **Rianto F**, Li X, Pease G. Clinicopathologic Impact of the Mutations on Histone Regulatory Genes KDM6A and KMT2D in Invasive High-Grade Bladder Urothelial Carcinomas and Prostatic Adenocarcinomas. Accepted (**POSTER**) to USCAP 2025. Boston, MA, US.
3. Li X, Kurt S, Gill HK, Sheik F, **Rianto F**, Zhu J, Gad B, Greywoode R, Tow CY, Fortune BE, Polydorides AD, Bhalla A. A Pilot Study of Grading of Colitis in Primary Sclerosing Cholangitis Associated Inflammatory Bowel Disease (PSC-IBD): Pre- and Post- Liver Transplant (LT) Comparison. Submitted to CAP 2025. Orlando, FL, US.
4. **Rianto F**, Li X, Choudhuri J, Cajigas A, Gera S. Analysis of Cytomorphological Features and Assessment of Risk of Malignancy (ROM) for SUMP Category (Salivary Gland Neoplasm of Uncertain Malignant Potential). Accepted (**POSTER**) to CAP 2024. Las Vegas, NV, US.
5. **Rianto F**, Suhrland MJ, Bhalla A, Hebert TM. Unusual Presentation of Cystic Ovarian Cancer Metastazised from Primary Pancreatobiliary Cancer. Accepted (**POSTER**) to CAP 2024. Las Vegas, US.
6. Li X, Kurt S, Toprak M, **Rianto F**, Lu C. Choristoma Like Lesion in Rectosigmoid Colon: A Rare Presentation. Submitted to CAP 2024, Las Vegas, NV, US.
7. Sheik F, **Rianto F**, Dar AJ, Lanceta J, Ustun B, Oktay M, Rao RA, Colanta A, Cajigas A, Suhrland MJ, Bhalla A. Validation of the WHO International Reporting System for Reporting Pancreatobiliary Cytopathology with Comparison of Risk of Malignancy (ROM): a Tertiary Center Experience. Accepted (**POSTER**) USCAP 2024. Baltimore, MD, US.
8. **Rianto F**, Choudhuri J, Suhrland MJ, Cajigas A, Wang Y, Gera S. Fine Needle Aspiration (FNA) and Flow-Cytometry: Pieces of the Lymphoid Work-up Puzzle. Accepted (**POSTER**) to USCAP 2024. Baltimore, MD, US.

9. Sheikh FN, **Rianto F**, Lacentia J, Rao R. Primary Squamous Cell Carcinoma of the Duodenum Diagnosed on Fine-Needle Aspiration: A case Report and Literature Review. Submitted to CAP 2023, Chicago, IL, US.
10. **Rianto F**, Blount MA, Hasounah F, Ruiz JA, Sands JM, Klein JD. Absence of inner medullary urea transporters attenuates fibrosis in diabetic nephropathy. J. Am. Soc. Nephrol. 28: 280, 2017.
11. Sood A, Hasounah F, **Rianto F**, LaRocque L, Archer DR, Klein JD, Sands JM. Metformin Improves Urine Concentrating Ability in Humanized Sick Cell Mice.

PROFESSIONAL SOCIETIES MEMBERSHIP

1. College of American Pathologists (CAP) – Since 2023
2. Academy of Clinical Laboratory Physicians and Scientists (ACLPS) – Since 2023
3. United States and Canadian Academy of Pathology (USCAP) – Since 2022
4. American Society for Clinical Pathology (ASCP) – Since 2022
5. The New York Pathological Society (NYPS) – Since 2022
6. NephSIM Nephrons – 2021–2022
7. American Heart Association (AHA) – 2020–2022
8. American Society of Nephrology (ASN) – 2017–2022

TEACHINGS

1. **Classroom Facilitator**, Albert Einstein College of Medicine
 - Pulmonary Pathology – *Since 2024*
 - Gynecologic Pathology – *Since 2023*
2. **Instructor**, Pathology Interest Group, Albert Einstein College of Medicine – *Since 2022*
 - Teach and introduce various aspects of the pathology specialty to medical students.
3. **Mentor**, International Students – *Since 2017*
 - Mentoring international students aspiring to pursue a medical career in the US.
4. **Small Group Leader**, Renal Physiology, Kidney Module – *March 2018*
 - Led and taught renal physiology to first-year medical students.
5. **Training Instructor**, Undergraduate Students – *Since 2017*
 - Provide training in laboratory procedures to undergraduate students.
6. **Presenter**, Interdepartmental Tumor Boards
 - Breast, Gynecological, Thoracic, Head and Neck, Path-Radiology.
7. **Presenter**, Morning Didactic Lectures – *Ongoing*
 - Deliver presentations for residents and faculty during morning didactic sessions.

VOLUNTEER ACTIVITIES

1. **Member**, GMEC Subcommittee on Well-Being, Montefiore Medical Center/Albert Einstein College of Medicine – *Since 2022*
 - Contribute to initiatives promoting resident and fellow wellness.

2. **Volunteer**, Pathology Interest Group, Albert Einstein College of Medicine – *Since 2022*
 - Teach and introduce medical students to various aspects of pathology.
3. **Volunteer**, 'CAP See, Test, & Treat' – *Ongoing*
 - Educate underserved populations on the importance of women's health screenings and preventive care.
4. **Volunteer**, High School Science Day, Duke University – *2021*
 - Assisted with event coordination and student engagement in science.
5. **Volunteer**, High School Extracurricular Activities, Istanbul, Turkey – *2010–2011*
 - Supported youth development and academic engagement.
6. **Orientation Leader**, Incoming International Students, Istanbul University, Turkey – *2009–2014*
 - Assisted with cultural integration, academic guidance, and campus orientation.

LANGUAGE COMPETENCE

1. Bahasa Indonesia (mother tongue)
2. Turkish (advance)
3. English (advance)
4. Malay (fluent)
5. Javanese (fluent)
6. Gayonese (fluent)
7. Acehnese (intermediate)
8. Arabic (Basic)

PERSONAL INTERESTS/ HOBBIES

- Hiking, cooking and gardening
- Play badminton and swimming

Fitra Rianto, M.D.