CURRICULUM VITAE

Chandra Kumar Maharjan

Department of Pathology, Immunology and Laboratory Medicine
College of Medicine
University of Florida
Gainesville, FL 32611

Email Address cmaharjan@ufl.edu

Education

Rajiv Gandhi University of Health Sciences (RGUHS), Navodaya Education Trust (NET) Pharmacy College, India — 2008-12 (B.Pharm., Pharmacy)
Graduated with Distinction

Wright State University (WSU), Boonshoft School of Medicine, Department of Pharmacology and Toxicology, Dayton, OH — 2014-16 (M.Sc., Pharmacology and Toxicology)
GPA 4.0/4.0

The University of Iowa, Carver College of Medicine, Department of Neuroscience and Pharmacology, Iowa City, IA — 2016-2021 (Ph.D., Pharmacology)
GPA 3.85/4.0

Research Experience

Undergraduate Researcher, RGUHS, NET Pharmacy College, India — 12/11-09/12
(Prakash Goudanavar Lab- Formulated and comparatively studied the drug delivery efficiency of proniosomal gel and ethosomal gel)

Lab Assistant and Graduate Researcher, Wright State University, Department of Pharmacology and Toxicology, Dayton, OH — 09/14-08/16
(Dr. Peter K. Lauf Lab- Studied the molecular interaction of sodium potassium ATPase pump and Bcl-2 proteins and its physiological significance)

Graduate Research Assistant, The University of Iowa, Department of Neuroscience and Pharmacology, Iowa City, IA — 04/17-05/21
(Dr. Dawn E. Quelle Lab- i) Investigating the role of an oncogenic protein called RABL6A in pancreatic neuroendocrine tumors (pNETs) in vivo, and ii) Using a novel genetic screen called S*leeping Beauty* to identify the downstream oncogenic and tumor suppressor targets of RABL6A in pNETs)

Postdoctoral Associate, University of Florida — 06/21-present
Department of Pathology, Immunology and Laboratory Medicine Gainesville, FL
(Dr. Weizhou Zhang Lab- i) Development and biological validation of protein targeting chimeras (PROTACs) for the oncogenic and immunosuppressive NR4A1 degradation, and ii) Understanding the role of intestinal epithelial IL-2 in regulatory T (Treg) cell regulation

Additional Appointments

Intern, Chemidrugs Industries Pvt. Ltd. (Pharmaceutical Industry), Kathmandu, Nepal	11/12-12/12
Pharmacist, Subeksha Pharmacy Pvt. Ltd., Norvic International Hospital, Kathmandu, Nepal	04/14-07/14

Teaching and Leadership Experience

Chair, Nepalese Student Association, NET Pharmacy college, India	12/08-10/12
Science Teacher, Zing Secondary School, Lalitpur, Nepal	08/13-03/14
Chemistry Tutor, WSU Academic Success Center	01/15-05/16
Treasurer/Secretary, Nepalese Raiders, Wright State University	10/15-05/16
Treasurer, Nepalese Student Association, The University of Iowa	10/17-05/21
Lecturer, The University of Iowa PCOL:2120 Drugs: Their Nature, Action, and Use	Spring 2019 and 2020
Graduate Student Representative, Pharmacology Dept. Seminar Selection Committee The University of Iowa	2018-2021

Honors and Awards

Merit Scholarship, Gyanodaya Bal Batika School, GBBS	04/04-03/05
Academic Topper (Valedictorian), GBBS	06/05
Mahatma Gandhi Scholarship, Embassy of India	08/05-07/07
Nepal Aid Fund Scholarship, Government of India	09/08-10/12
Best Outgoing Student, N.E.T. Pharmacy College	03/13
Academic Topper (Valedictorian), N.E.T. Pharmacy College	03/13
Tuition Scholarship, Wright State University Graduate School	08/14-07/15
Tuition Scholarship, Department of Pharmacology and Toxicology and Wright State University Foundation	08/15-04/16
Graduate College Post-Comprehensive Research Fellowship, The University of Iowa	01/19-05/19
Ballard and Seashore Dissertation Fellowship, Graduate College, The University of Iowa	Spring, 2021

PUBLICATIONS

1. **Maharjan, C.K.**, Gobinda, K. Prakash, G., Kabin, M., Sundar, A. and Doddayya, H.: Comparative evaluation of ketorolac tromethamine loaded proniosomal and ethosomal gel. Inventi Journals, Pharm Tech, 2013, Issue 2 [ISSN 0976-3783].

2. Scott, A.T., Weitz, M., Breheny, P.J., Ear, P.H., Darbro, B., Brown, B.J., Braun, T.A., Li, G., Umesalma, S., Kaemmer, C.A., **Maharjan, C.K.**, Quelle, D.E., Bellizzi, A.M., Chandrasekharan, C., Dillon, J.S., O'Dorisio, T.M., Howe, J.R.: Gene Expression Signatures

Identify Novel Therapeutics for Metastatic Pancreatic Neuroendocrine Tumors. Clinical Cancer Research, PMID: 31937620.

3. Kohlmeyer, J.L., Kaemmer, C.A., Pulliam, C., **Maharjan, C.K.**, Samayoa, A.M., Major, H.J., Cornick, K.E., Knepper-Adrian, V., Khanna, R., Sieren, J.C., Leidinger, M.R., Meyerholz, D.K., Zamba, K.D., Weimer, J.M., Dodd, R.D., Darbro, B.W., Tanas, M.R., Quelle, D.E.: RABL6A Is an Essential Driver of MPNSTs that Negatively Regulates the RB1 Pathway and Sensitizes Tumor Cells to CDK4/6 Inhibitors. Clinical Cancer Research, 2020, PMID: 32086342.

4. Kaemmer, C.A., Umesalma, S., **Maharjan, C.K.**, Moose, D.L., Narla, G., Bell, S., Zamba, G.K.D., Breheny, P., Darbro, B.W., Bellizi, A.M., Henry, M.D., Quelle, D.E.: Development and comparison of novel bioluminescent mouse models of pancreatic neuroendocrine neoplasm metastasis. 2021, PMID: 33986468.

5. **Maharjan, C.K.**, Umesalma, S., Kaemmer, C.A., Muniz, V.P., Bauchle, C., Mott, S., Zamba, G.K.D., Breheny, P., Leidinger, M.R., Stephens, S., Meyerholz, D.K., Quelle, D.E.: RABL6A promotes pancreatic neuroendocrine tumor angiogenesis and progression *in vivo*. Biomedicines, 2021, PMID: 34199469.

6. Chandra K. Maharjan, Jiao Mo, Lei Wang, and Weizhou Zhang. Natural and Synthetic Estrogens in Chronic Inflammation and Breast Cancer. Cancers. 2021. Submitted.

ABSTRACTS AND PRESENTATIONS

1. **Maharjan, C.K.**, Adragna, N.C. and Lauf, P.K. Immunochemical Demonstration of Interaction between Na^+/K^+ ATPase (NKA) and Bcl-2 Proteins Mscl-1 and Bax in Fetal Human Lens (FHL) Epithelial Cells. Central Research Forum, Boonshoft School of Medicine, Dayton, OH, 2015. Oral and poster presentation.

2. **Maharjan, C.K.**, Adragna, N.C. and Lauf, P.K. Immunochemical Demonstration of Interaction between Na^+/K^+ ATPase (NKA) and Bcl-2 Proteins Mcl-1 and Bax in Fetal Human Lens (FHL) Epithelial Cells. Ohio Physiological Society 30^{th} Annual Meeting, University of Toledo, OH, 2015. Oral and poster presentation.

3. **Maharjan, C.K.**, Adragna, N.C. and Lauf, P.K. Demonstration of Interaction between Na^+/K^+ ATPase Pump and Bcl-2 Proteins Mcl-1 and Bax by Co-immunoprecipitation and Immuno-cytochemical Colocalization. Ohio Valley Society of Toxicology Student/Postdoc Summer Meeting, University of Cincinnati, OH, 2015. Poster presentation.

4. **Maharjan, C.K.**, Heiny, J., Adragna, N.C. and Lauf, P.K. On the Interaction of Pig Renal Na/K ATPase with the Bcl-2 Protein BAK: A Co-immunoprecipitation Study. Experimental Biology, San Diego, CA, 2016. Poster presentation.

5. **Maharjan, C.K.**, Schab, A.M., Sheehy, R.M., Whillock, A.L., Pisano, M., Reddi, C., Reilly, J.E., Nteeba, J., Lamb, M.C., Ginader, T., Smith, B.J., Borcherding, N., Jing, X., Tomkins, V., Zhan, F., Bishop, G., Meyerholz, D.K., Holman, C., Janz, S. and Quelle, D.E. Loss of NIAM Tumor Suppressor Cooperates with Myc Activation to Drive B-cell Malignancies. Holden Comprehensive Cancer Center Scientific Retreat, The University of Iowa, 2018. Poster presentation.

6. **Maharjan, C.K.**, Schab, A.M., Sheehy, R.M., Whillock, A.L., Pisano, M., Reddi, C., Reilly, J.E., Nteeba, J., Lamb, M.C., Ginader, T., Smith, B.J., Borcherding, N., Jing, X., Tomkins, V., Zhan, F., Bishop, G., Meyerholz, D.K., Holman, C., Janz, S. and Quelle, D.E. Loss of NIAM Tumor Suppressor Cooperates with Myc Activation to Drive B-cell Malignancies. Pharmacological and Pharmaceutical Sciences Research Retreat, The University of Iowa, 2018. Poster presentation.

7. **Maharjan, C.K.**, Waite, C.A., Bauchle, C., Stephens, S., Meyerholz, D.K., Quelle, D.E. Investigating the role of RABL6A in PNET progression in vivo. Holden Comprehensive Cancer Center Scientific Retreat, The University of Iowa, 2019. Oral and poster presentation.

8. **Maharjan, C.K.**, Waite, C.A., Bauchle, C., Stephens, S., Meyerholz, D.K., Quelle, D.E. Investigating the role of RABL6A in PNET progression in vivo. North American Neuroendocrine Tumor Society Annual Multidisciplinary NET Medical Symposium, 2019. Oral and poster presentation.

9. **Maharjan, C.K.**, Waite, C.A., Patel, M., Bauchle, C., Stephens, S., Darbro, B.W., Meyerholz, D.K., Quelle, D.E. The role of RABL6A in PNET development and progression in vivo. Pharmacological and Pharmaceutical Sciences Research Retreat, The University of Iowa, 2019. Poster presentation.

10. **Maharjan, C.K.**, Kaemmer, C.A., Patel, M., Bauchle, C., Stephens, S., Darbro, B.W., Meyerholz, D.K., Quelle, D.E. Investigating the role of RABL6A in PNET development and progression in vivo. Office of Graduate and Postdoctoral Studies Interview Weekend, 2020, Carver College of Medicine, The University of Iowa. Oral and poster presentation.

11. **Maharjan, C.K.**, Riordan, J.D., Feddersen, C., Zhu, E., Dupuy, A.J., Quelle, D.E. Identifying Novel RABL6A Targets in Pancreatic Neuroendocrine Tumors Using Sleeping Beauty Screen. Holden Comprehensive Cancer Center Scientific Retreat, The University of Iowa, 2020. Oral presentation.

12. **Maharjan, C.K.**, Riordan, J.D., Feddersen, C., Zhu, E., Dupuy, A.J., Quelle, D.E. Novel RABL6A Targets in Pancreatic Neuroendocrine Tumors Using Sleeping Beauty Screen. Pharmacological and Pharmaceutical Sciences Research Retreat, The University of Iowa, 2020. Oral presentation.

13. **Maharjan, C.K.**, Riordan, J.D., Feddersen, C., Zhu, E., Darbro, B. W., Dupuy, A.J., Quelle, D.E. Functional genetic screen to identify drivers of pancreatic neuroendocrine tumor pathogenesis. North American Neuroendocrine Tumor Society Annual Multidisciplinary NET Medical Symposium, 2020. Oral and poster presentation.

14. **Maharjan, C.K.**, Waite, C.A., Bauchle, C., Stephens, S., Meyerholz, D.K., Quelle, D.E. RABL6A, a new driver of pNET pathogenesis in vivo. Neuroendocrine Tumor Research Foundation Virtual Research Symposium, 2020. Poster presentation.