

# BDIAP Innovation Grant Final Report 2024



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**Year Bursary Awarded:** 2024

**Present Post:** Pathology resident, Erasmus Medical Center, Rotterdam.

**Department Innovation Grant completed:** Computational Pathology Group, Radboud University Medical Center, Nijmegen.

I would like to begin this report by extending my heartfelt gratitude to the BDIAP for awarding me the Innovation Grant, which made it possible for me to undertake a six-month internship at the Computational Pathology group at Radboud University Medical Center (Radboudumc), Nijmegen. Radboudumc is a global leader in computational pathology, and having the opportunity to learn from and work within such an advanced research group has been transformative for my career. This internship not only expanded my skill set but also gave me a deeper appreciation for the role of international collaboration in advancing medical science.

As a pathology resident specializing in digital pathology, my primary interest lies in the integration of technology, specifically Artificial Intelligence (AI), to enhance diagnostic accuracy and prognostic power in histopathology. During my time at Radboudumc, I had the privilege to surround myself with the expertise and cutting-edge research environment at the Computational Pathology group enabled me to immerse myself in groundbreaking work that aligns closely with my career aspirations.

During this internship, I had the chance to develop several technical and research skills, ranging from basic coding skills to AI model development and advanced image analysis. I worked closely with prof. dr. Jeroen van der Laak who provided invaluable mentorship throughout my time at Radboudumc. I participated in several other ongoing projects, attended their weekly meetings and social gatherings. The collaborative nature of the group fostered an environment where I could grow not only as a researcher but also as a clinician focused on bringing digital pathology into everyday diagnostic practice.

One of the most rewarding aspects of the internship was seeing firsthand how digital pathology, combined with AI, could transform diagnostic workflows. The experience has deepened my understanding of how critical technology is to the future of pathology, especially in ensuring more accurate and efficient diagnoses. I am particularly excited to apply these insights to my ongoing training and future work in this rapidly evolving field.

I look forward to staying connected with the BDIAP community and sharing the fruits of this internship as I progress in this field. Thank you once again for your generous support and for making this invaluable experience possible!