



PharmAlliance

Partnering for better
health care worldwide

10-YEAR REPORT

2015-2025



www.pharmalliance.org

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Who We Are



PharmAlliance is a strategic partnership between three global leaders: The University College London (UCL) School of Pharmacy, Monash University Faculty of Pharmacy and Pharmaceutical Sciences, and The University of North Carolina at Chapel Hill (UNC) Eshelman School of Pharmacy.

PharmAlliance provides a community platform for working together on big ideas and solutions that will improve human health around the world. This partnership is for faculty, staff, and students who work to improve global health care through innovation in pharmacy and pharmaceutical sciences education, professional practice, research, and student collaboration.

Mission & Vision

Our Mission

To address critical global challenges in pharmacy and pharmaceutical sciences, leveraging the strengths of individual institutions to amplify global impact

Our Vision

To transform pharmacy and pharmaceutical sciences research, education, and practice worldwide

Read more about PharmAlliance on our website:

<https://www.pharmalliance.org/>

2025 PharmAlliance Domain Priorities

Under the leadership of the institutional Deans and Director, Domain leaders are dedicated faculty, staff, students, and researchers at each of the PharmAlliance institutions.



Research Domain

Prioritizes scholarship to support targeted, strategic global health missions in areas of critical mass and strength within our schools



Education Domain

Prioritizes collaborative global educational opportunities in both pharmacy and pharmaceutical sciences

Outreach and Engagement Domain



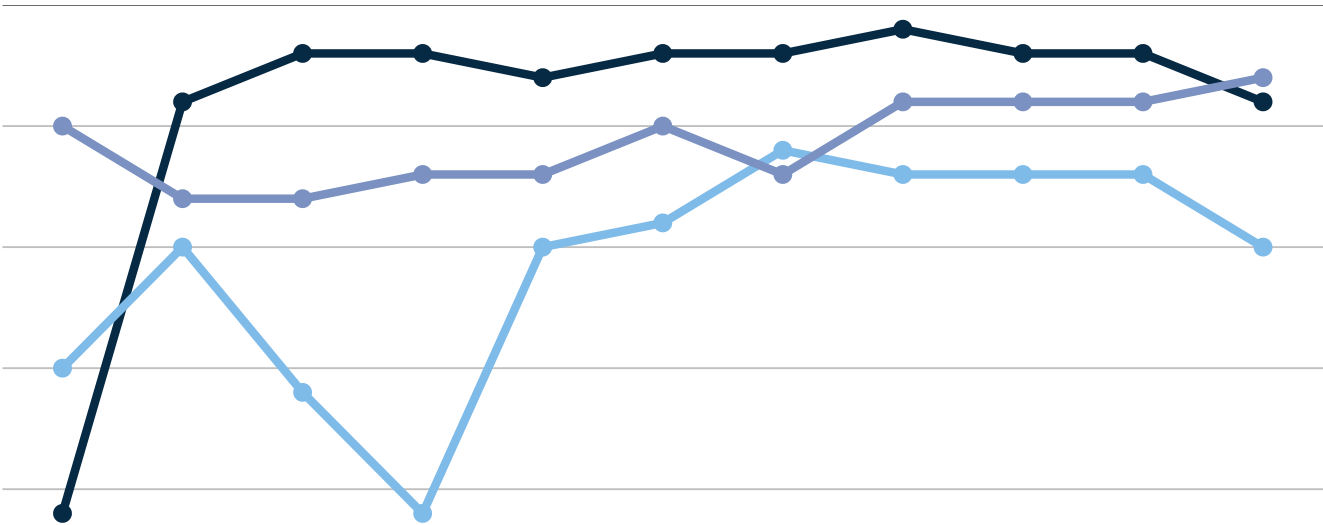
Prioritizes high impact, external engagement with researchers, educators, practitioners, and leaders in pharmacy and pharmaceutical sciences, facilitated through building a strong communications network



Student Domain

Prioritizes supporting and developing our global community

QS World University Rankings: Pharmacy & Pharmacology



Through this collaboration and partnership, our PharmAlliance institutions remain the **top universities** in the field of pharmacy and pharmacology.

Collaborative Research – PARCDT

PharmAlliance Research Clusters for Doctoral Training (PARCDT) – Funding Scheme

PharmAlliance fosters research collaborations through joint investigator-led projects across our institutions, strengthening partnership and external funding opportunities. The three key principles of the PARCDT funding scheme are to support:

1. Targeted research focused in areas of impact
2. PhD student scholarships
3. ‘Cluster’ support cohorts of PharmAlliance PhD students

2021 PARCDT Award

- **Multimorbidity and medication overload in people living with dementia: building capacity in international multi-database medication safety and effectiveness research**

Dr. Wallis Lau (UCL), Prof. Simon Bell (Monash), Dr. Joshua Niznik (UNC)
Students: Olivia Bryant (UCL), Darshna Goordeen (Monash)

2022 PARCDT Award

- **Enhancing translatability of preclinical drug discovery models for dementia and associated neuropsychiatric symptoms**

Prof. Afia Ali (UCL), Dr. Karen Gregory (Monash)
Students: Andi Chan (UCL), Jackson Kos (Monash)

- **Combination immunotherapies for glioblastoma**

Dr. Karolina Dziemidowicz (UCL), Dr. Kristian Kempe (Monash), Prof. Kristy Ainslie (UNC)
Students: Mathilde Ullrich (UCL), Yunji (Yestin) Fang (Monash), Ryan Woodring (UNC)

2023 PARCDT Award

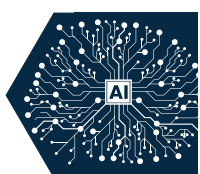
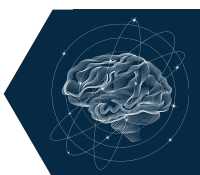
- **Addressing challenges of affinity, stability, and delivery in aptamer-based therapies for lung-specific diseases**

Dr. Christopher Serpell (UCL), Dr. Jie Tang (Monash), Prof. Rihe Liu (UNC)
Students: Henry Rose (UCL), Essraa Ahmed (Monash), Aasif Ansari (UNC)

2024 PARCDT Award

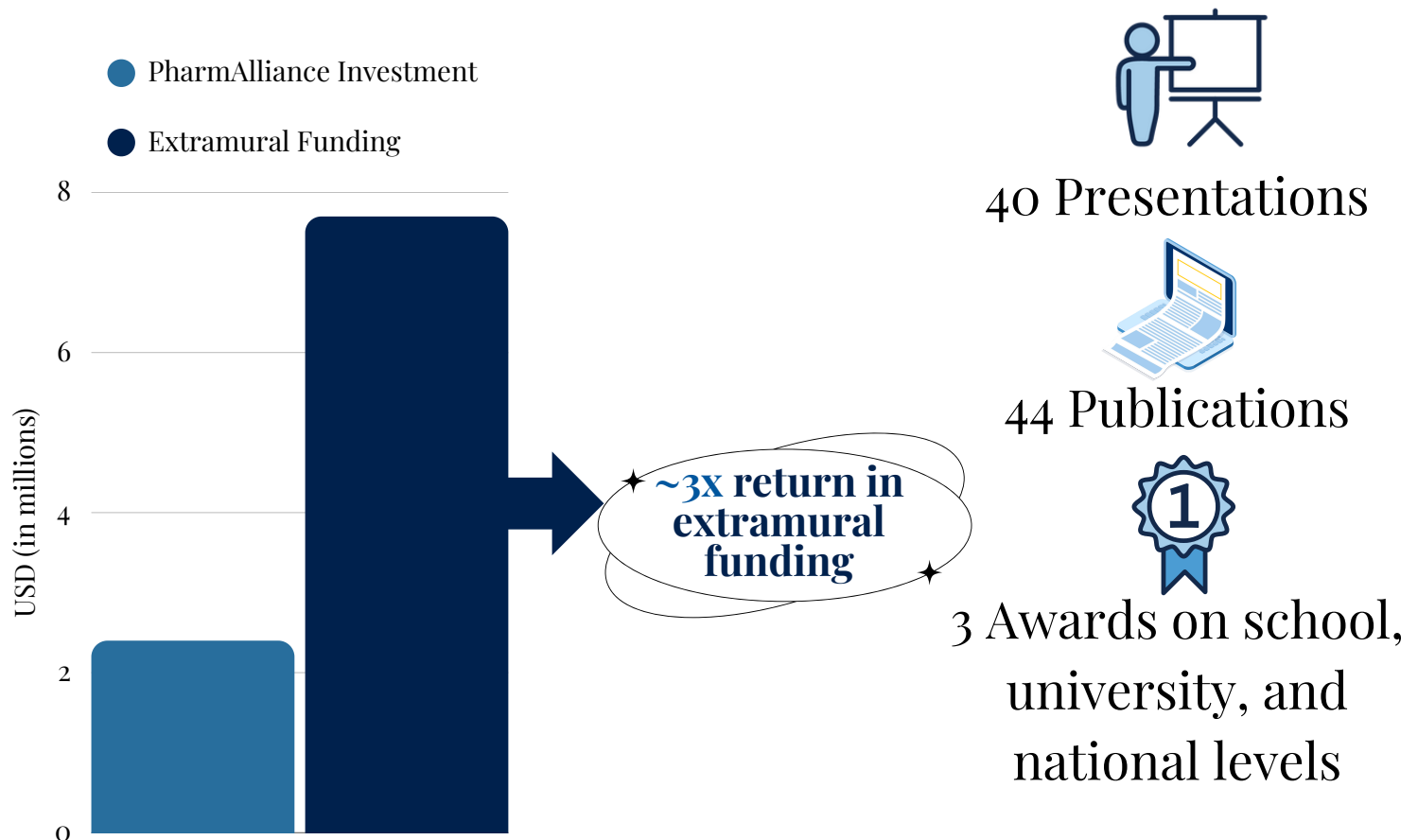
- **An artificial intelligence (AI)-guided imaging approach to optimize medication safety by “shedding light” on intracellular trafficking of transport proteins that impact therapeutic outcomes**

Dr. David Shorthouse (UCL), Dr. Amandeep Kaur (Monash), Dr. Lauren Haar (UNC), Dr. Jacqueline Tiley (UNC)
Students: Indira Sundar (UCL), Qingqing Wang (Monash), Mihir Upadhye (UNC)



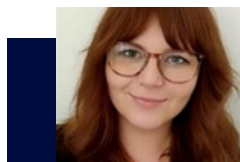
Collaborative Research - Outputs

Research Outputs and Achievements from PharmAlliance Funding



Dr. Karolina Dziemidowicz

PharmAlliance Early Career Researcher (ECR) Liaison



“PharmAlliance has truly accelerated my career, opening doors to collaborations, funding, and research opportunities that would have otherwise been out of reach.”

The liaison position within the Research Domain was instrumental in Karolina’s progression from a research fellowship to a permanent academic position as lecturer in Pharmaceutics at UCL. She established a collaborative tripartite PARCDT project on the development of combination immunotherapy biomaterials for glioblastoma. This opportunity helped secure an additional £48,240.00 in research funding from the Royal Society (UK), reinforcing the project's impact and helping her accelerate a novel approach for delivering immunotherapy to glioblastoma.

Collaborative Research - Outputs



130+ Collaborative publications



60+ Invited presentations

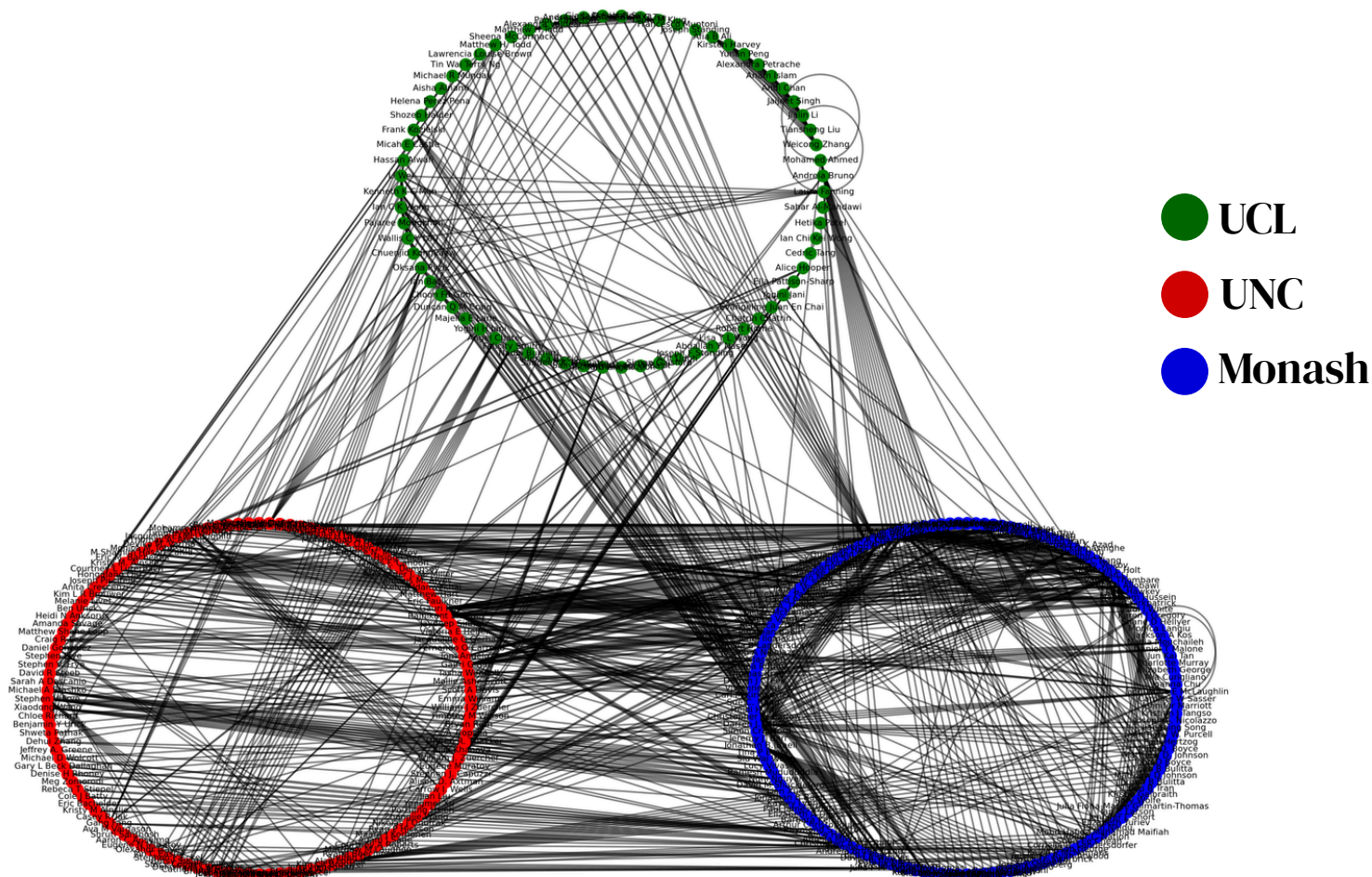


25+ Scientific posters



45 Internal funds awarded

Visualization of PharmAlliance Collaborations



Translating Research into Practice & Education

Communication Tools & Tactics Series



**Infographics as
Communication Tools
Dr. Aili Langford**



**Amplifying the Patient Voice
Dr. Sara Garfield & Mr. Mike Etkind**



**Reaching the
Policymaker
Prof. Jon Easter**



**Power of Podcasts
Ms. Oksana Pyzik**

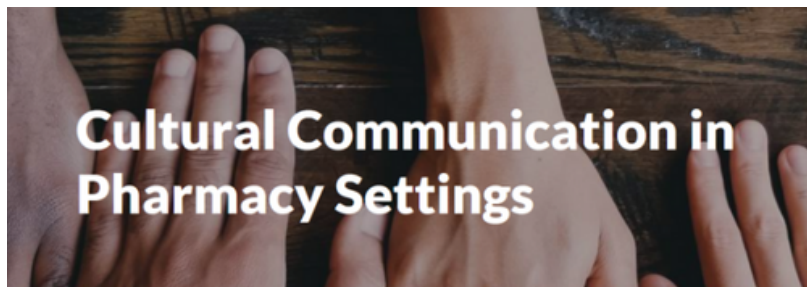


**How to Write a
Press Release
Ms. Kate Carthew**

This series featured global experts from our institutions sharing innovative strategies to empower faculty, staff, and students to be effective science communicators and change agents.

Freely-Shared Education Resources

Cultural Communication in Pharmacy Settings



This module is a free resource viewed by **>5,900 users worldwide**, to help pharmacy educators provide key concepts required to understand cultural communication in the pharmacy setting.

Vaccine Champion Curriculum

This workshop empowers students to address vaccine hesitancy in their communities and in their professional settings. PharmAlliance provides a freely-shared guide giving direction for any students or faculty members who wish to design a similar workshop at their own school. This vaccine champion curriculum was implemented in **five countries**.



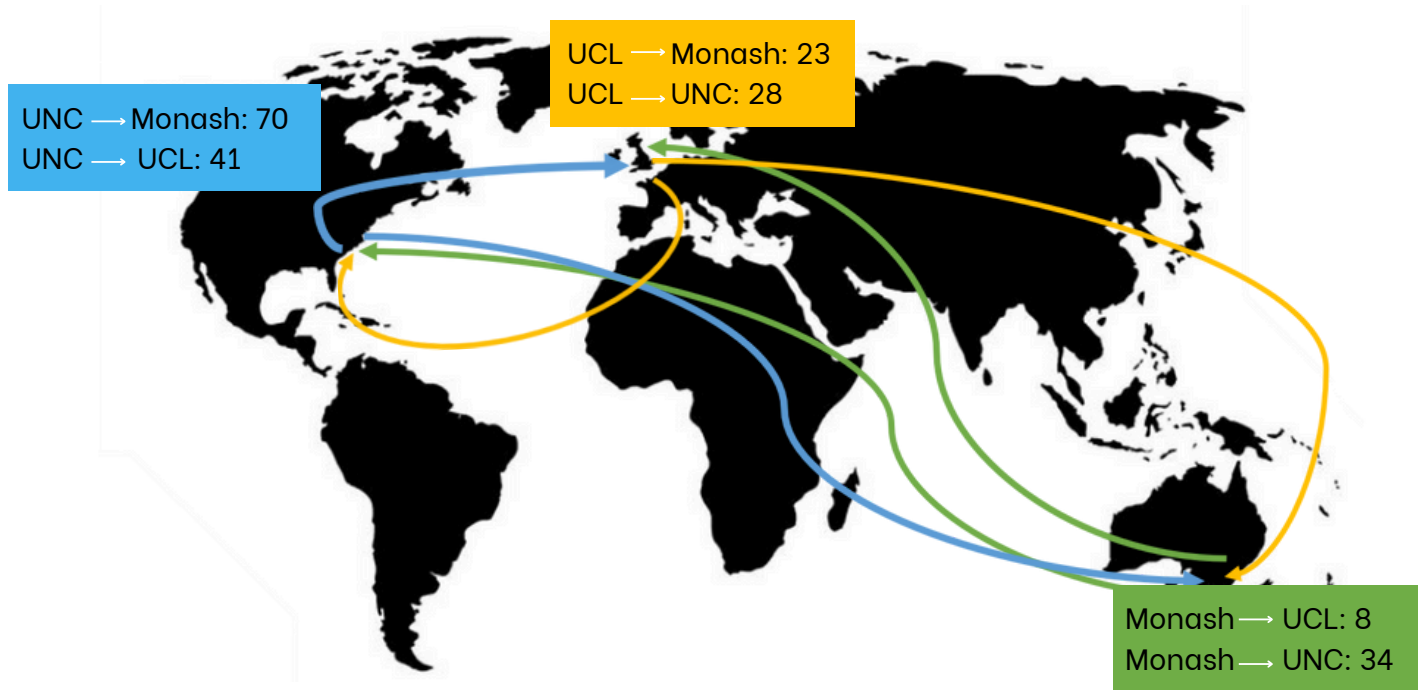
Global Leaders in Development (GLIDE)

This module, co-developed by PharmAlliance leaders, is composed of five online lectures and supplemental reading materials, each covering a different aspect of global leadership, from “developing a global mindset” to “understanding the importance of emotional intelligence and empathy in solving problems at a global level.” Students completing this module were invited to undertake a voluntary capstone project, an international competition that challenged students’ critical thinking skills and global mindset.

The 2024 competition challenge was “sustainability in pharmacy.” The winning team proposed recycling glass amber bottles at local pharmacies to directly reuse for another medication. This solution reduces energy consumption by preventing more amber bottles from being created, and it promotes the International Pharmaceutical Federation’s (FIP’s) 21st goal of sustainable practices in pharmacy.

Global Community & Student Development

PharmAlliance has facilitated over 200 student exchanges in the last 10 years



*Data includes PharmD, MPharm, and PhD students

Vraj Patel, PharmD

PharmAlliance Medication Safety Student Leader



Pharmacy practice has quickly evolved over the last 10 years. PharmAlliance is influential in providing opportunities to broaden the skillsets of pharmacists.

Vraj Patel joined the PharmAlliance Student Domain in 2017 at the UNC Eshelman School of Pharmacy eager to learn how pharmacy practice differed around the world. Vraj credits PharmAlliance for teaching him many valuable skills from project management to taking an idea and creating the international case competition.

Vraj was able to visit Australia to further develop student relationships by creating a medication safety comic series within PharmAlliance. He was part of the Fight the Fakes campaign that helped him understand the importance of medication safety and led him to his role as a safety evaluator for the FDA.

“More importantly,” Vraj says, “I have made life-long friends and have gained new perspectives through PharmAlliance and cherish every moment I had as part of this partnership.”

Global Community & Student Development

Reflections from joint PhD training research programs

Jackson Kos (Monash):

“This has been a great opportunity to broaden our scope and gain insights from others with different areas of expertise. The journal club has also fostered connections and facilitated mentoring/feedback in the form of Honours students delivering practice talks for their final presentations. The PARCDT collaboration will allow me to incorporate a disease system into my PhD, which would have otherwise been financially and logistically very challenging.”

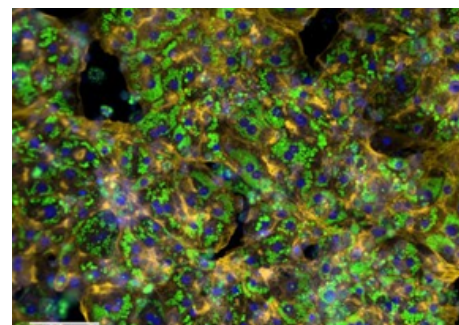
Andi Chan (UCL):

“My aims during my PhD are to collaborate with another research group, disseminate ideas, and work towards joint publications. The PARCDT program is structured in a fashion that facilitates close international collaboration with one or more of the participating universities. There is an emphasis on in-person visits to each lab’s home institution, which is a fantastic opportunity to experience different research cultures and share methods.”



Dr. Thomas Kralj (Monash)

Figure pictured on the right was selected as the cover art for the Sept. 2021 issue of Toxicological Sciences Journal



“PharmAlliance has had long and far reaching impact on the research I performed during my graduate candidature and life past that. I would have never been able to obtain the support and scientific knowledge I had access to at Monash alone. And with that support and knowledge came resources that allowed for great insight and quality research. Beyond my doctoral studies, my first job in the biotech industry was a result of a connection I made because of the PharmAlliance, which led me from Australia to the US to grow my experience and career.”

Links to Resources

**PharmAlliance
Website**

**PharmAlliance
Social Media:**

- X/Twitter
- LinkedIn



**PharmAlliance
Priorities &
Community
Guidelines**

**PharmAlliance
Passport
Newsletters**