



Dr Nikolas Dietis

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ABOUT ME

I am an Assistant Professor of Pharmacology at the University of Cyprus Medical School, with a 10-year track record in academia and 5-year professional experience in the pharmaceutical industry sector. I am the founder and Head of two currently-active academic research laboratories, a recipient of three research & three teaching awards, an EU-registered Expert in the field of Pharmacology, a certified Research Evaluator of the General Secretariat for Research and Innovation in Greece, a certified Quality Reviewer of Online Courses by QM, a registered Speaker at the Young Universities for the Future of Europe (YUFE) alliance, a member of the Young European Research Universities Network (YERUN) Learning & Teaching working group and a registered Independent Evaluator at the Council of Recognition of Higher Qualifications (KYSATS).

I am also a passionate science communicator, involved in outreach activities to engage the public with science, having a vigorous and frequent media outreach with numerous articles, interviews and posts.

WORK EXPERIENCE

Assistant Professor of Pharmacology

University of Cyprus [1 Oct 2015 – Current]

Address: Nicosia

City: Nicosia

Country: Cyprus

Website: <https://www.ucy.ac.cy/medical>

Email address: dietis.nikolas@ucy.ac.cy

Name of unit or department: Medical School - Business or sector: Education

Link: <https://www.youtube.com/watch?v=Nbsf0LdCwjK>

Academic Roles:

- Unit Coordinator of *Pharmacology* teaching units in Years 2 & 3 of the MD undergraduate program.
- Responsible Academic for Year 2 of the Undergraduate Program (MD).
- Supervisor of student projects in *Elective Project* units in Years 2 & 3 of the undergraduate program.
- Academic Advisor to appointed undergraduate students.
- Unit Coordinator of Pharmacology & Pharmacogenomics teaching unit of the MSc Precision Medicine in Clinical Practice postgraduate program.
- Founder & Head of the UCY *Experimental Pharmacology Laboratory*
- Founder of the UCY *Zebrafish Laboratory* at the UCY Medical School.

Academic Responsibilities:

- Teaching Pharmacology in undergraduate medical students.

- Teaching Pharmacogenomics in postgraduate students.
- Annual curriculum development and review of the Pharmacology teaching content in Pharmacology units.
- Annual assessment benchmarking of Pharmacology exam content.
- Contributing to quality assurance and quality enhancement of the program's Phase II.
- Academic advisor to 11 undergraduate students.
- Design and organization of the Pharmacology curriculum included in the MSc Precision Medicine in Clinical Practice postgraduate program (active since 2021).
- Designing and supervising research projects for undergraduate students under the Elective Project unit in Year 2 and Year 3.

Administrative Roles & Tasks:

- Member of the UCY Medical School Board
- Member and Medical School representative of the Centre for Teaching & Learning Committee (since 2016).
- Acting Editor-in-Chief of the Center for Teaching & Learning bi-annual journal "FOCUS" (founded in 2020)
- Member and Medical School representative of the UCY Quality Assurance Senate Committee (since 2018).
- Member and Medical School representative of the UCY Building Development and Infrastructure Organization Committee (Vice Rector Committee; since 2016).
- Responsible Academic for the School's Program Accreditation processes by the WFME & CYQAA, for the MD program.
- Member of the past Ad-Hoc School Committee for the benchmarking and implementation of the School's Exam Question Standardisation Method (Modified EBEL).
- Member of the School's program Phase II Exams Committee (setting up exam papers, communication with students prior exams, evaluation and analysis of exam marks).
- Responsible academic for the Student Training program in Digital Examinations.
- Responsible academic for the training of School academics and hospital Doctors associated with the School for exam digital questions and standardization.
- Responsible academic for the annual Medical School Summer School program.
- Responsible academic for secondary school classes' scheduled visits at the Medical School.
- Member of the UCY Committee for the New Building of the UCY Medical School.
- Member of the Board of the UCY Biomedical Engineering Research Center, representing the Medical School (since 2021)
- Member of the UCY committee for the Young Universities for the Future of Europe (YUFE), representing the Medical School (since 2021)

Lecturer in Pharmaceutical Sciences

University of Tasmania [2012 – 2015]

Address: Hobart (Australia)

City: Hobart

Country: Australia

Website: <https://www.utas.edu.au/>

Name of unit or department: Division of Pharmacy, School of Medicine - **Business or sector:** Education

Unit Coordination

- Unit Coordinator of Pharmacology units (CSA230, CSA231, CSA232, CSA233, CSA234, CSA235, CSA308, CSA309).
- Unit Coordinator of the program "Introduction to Pharmacology" of the Medicines Australia Continuing Education Programs.
- Associate Head at the Faculty of Health Science Teaching & Learning Committee (2012-2013).

Responsibilities

- Teaching and coordination of taught units for undergraduate and postgraduate cohorts; curriculum design, development and review.
- Contributing to peer-reviewing, quality assurance and quality enhancement at the unit/discipline level (online resourcing, moderation, assessment, technology-enhanced learning and constructive alignment).
- Member of the Accreditation Preparation Committee for the Pharmacy undergraduate program (2013-2015) – successful accreditation.
- Open educational resources/module design, management and development; coordination, development and online teaching in the Medicines Australia Continuing Education program
- Contribution to the School's administrative duties; participating in meetings
- Undertaking of independent research; establishment of internal/external research collaborations.

- Supervision of Honours, Postgraduate and Higher Degree Research students; promoting student research excellence.

Research Associate (Post-Doctoral)

University of Leicester [2011 – 2012]

Address: Leicester (United Kingdom)

City: Leicester

Country: United Kingdom

Website: <https://le.ac.uk/>

Name of unit or department: Department of Cardiovascular Sciences, Division of Anaesthesia - **Business or sector:** Education

Responsibilities

- Working at Prof Lambert's laboratory
- Running experiments and tissue culture maintenance activities
- Report writing; contribution to peer-reviewed publications.
- Liaising with Lab Manager for lab maintenance and management.

Supply Teacher in Science

Teachers UK [2008 – 2011]

Address: (United Kingdom)

Country: United Kingdom

Website: <https://www.teachers-uk.co.uk/>

Name of unit or department: Nottinghamshire Secondary Schools - **Business or sector:** Education

Responsibilities

- Delivering Science lessons to A-level students (Biology, Physics & Chemistry).
- Contributing to class management and assessment.
- Liaising with School Manager to develop and implement curriculum changes.

Area Coordinator – Pharmaceutical Representative

Lavipharm Hellas Pharmaceutical Co. [2003 – 2005]

Address: Thessaloniki (Greece)

City: Thessaloniki

Country: Greece

Website: <https://lavipharm.com/>

Name of unit or department: OTC Division - **Business or sector:** Other service activities

Responsibilities

- Organizing and coordinating OTC sales.
- Contributing to new marketing proposals; organizing the company's exhibitions and product presentations.
- On-site visits to pharmacies, hospitals and GPs.
- Participating in the company's management meetings.

Pharmaceutical Representative

Janssen-Cilag Pharmaceutical Co. [2002 – 2003]

Address: Thessaloniki (Greece)

City: Thessaloniki

Country: Greece

Website: <https://www.janssen.com/>

Name of unit or department: GI Division

Responsibilities

- Liaising with hospital doctors & GPs – consulting for correct use of drugs
- Participating in the company's strategic meetings

EDUCATION AND TRAINING

Doctorate (PhD) in Pharmacology

University of Leicester [2008 – 2012]

Address: College of Medicine, Department of Cardiovascular Sciences, Division of Anaesthesia, Critical Care and Pain Management Unit, Leicester (United Kingdom)

Website: <https://le.ac.uk/>

Field(s) of study: Opioid pharmacology

Level in EQF: EQF level 8

Thesis: Strategies to reduce morphine tolerance in cancer: evaluation of the bifunctional opioid UFP-505

Masters of Research (MRes) in Applied Biosciences

Nottingham Trent University [2007 – 2008]

Address: Natural Sciences Research Center (NSRC) School of Science & Technology, Nottingham (United Kingdom)

Website: <https://www.ntu.ac.uk/>

Field(s) of study: Neuroscience

Final grade: Commendation – Level in EQF: EQF level 7

Thesis: Cloning and expression of a synthetic κ - δ opioid receptor heterodimer in HEK293 cells

Bachelor of Science (BSc) in Neuroscience & Pharmacology

Nottingham Trent University [2006 – 2007]

Address: School of Biomedical and Natural Sciences, Nottingham (United Kingdom)

Website: <https://www.ntu.ac.uk/>

Final grade: 2.1 – Level in EQF: EQF level 6

Thesis: Neuronal differentiation of embryonic stem cells and their therapeutic application in regenerative neuroscience.

Bachelor of Science (BSc) in Pharmacology

University of Portsmouth [1998 – 2002]

Address: School of Pharmacy and Biomedical Sciences, Portsmouth (United Kingdom)

Website: <https://www.port.ac.uk/>

Field(s) of study: Liposomal formulations of drugs

Level in EQF: EQF level 6

Thesis: Factors affecting the encapsulation of heparin in liposomes.

Diploma in Biochemistry

Vakalis Foundation College

Address: Thessaloniki (Greece)

Level in EQF: EQF level 5

HONOURS AND AWARDS

Best Paper Award (International)

Institute of Electrical and Electronics Engineers (IEEE) [2020]

For the research work "**Growing Bio-nanomachine Networks: Application to Malignant Tumor Evolution and Progression**" presented at the International Conference of the Institute of Electrical and Electronics Engineers (IEEE) GLOBECOM 2020

Link: <https://globecom2020.ieee-globecom.org/program/best-paper-award-winners.html>

Teaching Merit Certificate

University of Tasmania. [2015]

Teaching award in recognition of teaching excellence using an outcomes-based approach to student learning.

Pharmacy King Teaching Award

University of Tasmania [2015]

Awarded by the Tasmanian Association of Pharmacy Students, for Outstanding Teaching Contribution in Pharmacology.

Teaching Merit Certificate

University of Tasmania [2014]

Awarded for implementing a teaching strategy that ensures quality delivery and promotes subject understanding at the University of Tasmania.

Schachter Award

British Pharmacological Society [2010]

A career development bursary award

i-Qube Award

University of Leicester [2010]

Best Poster Presentation at the *Festival of Postgraduate Research*.

Presentation Finalist

University of Leicester [2010]

Best Research Presentation at the *Festival of Postgraduate Research*

Regional Finalist

Vitae Midlands Regional Poster Competition, East Midlands, UK. [2010]

Best Poster Presentation

Bain Memorial Bursary Fund Award

British Pharmacological Society [2009]

Bursary award to participate at the 9th Congress of the European Association of Pharmacology and Therapeutics.

Best Practices in Medical Sales

Janssen-Cilag Co [2003]

Awarded for achieving high performance in medical sales

CERTIFICATIONS

Course Certificate: "Instructional Methods in Health Professions Education"

[2018]

University of Michigan

Online course

Course Certificate: "Introduction to the Biology of Cancer"

[2016]

Johns Hopkins University

Online Course

Certificate in Applying the Quality Matters Higher Education Rubric for Peer-Reviewing Online Courses

[2014]

Quality Matters Program

IELTS Certificate in English

[2013]

University of Cambridge

Certificate in Foundations of University Learning and Teaching

[2013]

ELT501 completion course

Part of Graduate Certificate in University Learning and Teaching

and the Bachelor Education with Professional Honours, University of Tasmania, Australia

Certificate in Performing Aseptic Surgery in Rodents

[2013]

Box Hill Institute, Australia

Certificate of Excellence in Handling Microsoft Windows & Office Professional

[2002]

IT Educational Consultancy, Microsoft Certified Partner.

UETESOL Certificate in English

[1996]

University Entrance Test for Speakers of Other Languages, Northern Examinations and Assessment Board (NEAB), UK.






First Certificate in English

[1993]

University of Cambridge

DIGITAL SKILLS

Digital Skills - Test Results

 Information and data literacy	ADVANCED Level 6 / 6
 Communication and collaboration	ADVANCED Level 6 / 6
 Digital content creation	ADVANCED Level 6 / 6
 Safety	ADVANCED Level 6 / 6
 Problem solving	ADVANCED Level 6 / 6

Results from [self-assessment](#) based on [The Digital Competence Framework 2.1](#)

My Digital Skills

Microsoft Office / Social Media / Google Drive / Outlook / Skype / Microsoft Powerpoint / Organizational and planning skills / Microsoft Excel / Team-work oriented / Good listener and communicator / Analytical skills / LinkedIn / Microsoft Word / Google Docs / Written and Verbal skills / Power Point / Zoom

LANGUAGE SKILLS

Mother tongue(s): **Greek**

Other language(s):

English

LISTENING C2 READING C2 WRITING C2

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

RESEARCH IDENTITY

Field of Research

Molecular & Behavioural Experimental Pharmacology

Human Diseases of Focus

Cancer, Antibacterial Resistance, Neurodegeneration

Areas of Research

- Novel drug discovery & HTS drug screenings
- Drug repurposing/repositioning
- Drug toxicology in zebrafish models
- Pharmacological characterization of novel drugs
- Assay development for activity screening
- Neurobehavioural pharmacology (rodents & zebrafish)

Laboratory

- Experimental Pharmacology Laboratory (Dietis Lab)
- UCY Medical School, Lab 101
- Established in 2016
- Member of the Academic Drug Discovery Consortium [Ad₂C](#)
- Lab's room: Lab 101, Medical School, University of Cyprus
- Lab's tel: +357 22 89 5233
- Lab's website: www.dietislab.org

Expertise

- High-Throughput Drug Plate Design & Screening (fluorescence, luminescence, absorbance, time-resolved screenings)
- Cytotoxicity assays (ATP, WST, TB)
- ELISA-based assay drug screening tests
- FRET/BRET/TR-FRET/ALPHA screenings
- Cell-Tissue Culture/Cell Transfection/Sub-cloning
- Zebrafish breeding & model management
- Zebrafish larvae toxicity screening
- Behavioural rat modelling (i.e. learned helplessness, active & passive avoidance, light/dark, fear conditioning, place preference, open field, object recognition)

Key Laboratory Equipment

- TECAN Spark 20M Multimodal Microplate Reader
- Zebrafish ZebTEC Active Blue Housing Stand-Alone System
- Viewpoint ZebraBox Behavioural Analysis for Zebrafish larvae
- TSE Multi-Conditioning System
- Bio-Rad CFX96 Touch Real-Time PCR
- Vilber Fusion Solo-S gel imager
- EVOS Flouid fluorescent imaging station
- Countess II automated cell
- Cytosmart Lux2 live cell culture monitoring

TEACHING IDENTITY

Teaching Philosophy

- **Rationalization & simplification:** use of visualization paradigms & multimedia tools within the teaching content to facilitate solid understanding of complex pharmacological concepts and their relationship to clinical medicine.
- **An outcomes-based approach to teaching:** setting pre-defined goals for every teaching & learning activity (expressed through Intended Learning Outcomes), communicating them with students prior any activities and setting-up learning blueprints on how to achieve these goals. All teaching content fits in a Constructive Alignment model along with assessment content and pre-designed teaching activities.
- **Self-directed active learning:** Use of a modified Personalized System of Instruction (Keller Plan) in support of main curriculum. Basic pharmacology content is constantly changing, it contains an immense depth of scientific knowledge and is affected by interdisciplinary concepts. Students cannot take the full advantage of its extend by basing their learning only on self-limited lecture-content or outdated textbook. The use of pre-designed step-by-step and self-directed open online content (i.e. youtube videos, online simulations, online presentations, publications, discussion forums, scientific organization resources) can substantially enhance learning.
- **Technology-assisted teaching and learning:** Use of specific online & face-to-face teaching tools to support learning, provide feedback and encourage self-directed learning. Examples include the use of Microsoft Forms for frequent formative assessment; the use of the student-response and interactive-whiteboard system "Inknoe" in class for enhancing student engagement; the use of flashcards for enhancing student learning; the use of a discussion-forum for Q&A.

Teaching & Learning Professional Activities

- Organization and management of the Medical School's Digital Examinations System ([Speedwell ©](#)), administration and design of Student Feedback forms based on question categorisation, overseeing and managing the quality of Question Banks – *Since 2018*.
- Proposed and designed the School's Standardisation System of digital exam questions, based on the EBEL system.
- Training of academics and Doctors of affiliated Hospitals in quality assessment of Exam Question writing for the School's digital exams (presentation and Q&A).
- Member of the UCY Quality Assurance Committee; peer-reviewing of University programs Applications for accreditation purposes – *Since 2017*.
- Organization and editorial of the first UCY Teaching & Learning bi-annual Journal, with content on matters of teaching excellence and learning enhancement (preliminary date of first electronic edition: May 2020).
- Creation of an open-access visual brain map of Drug Index, using [TheBrain](#) online software, aiming for student enhanced learning of drug classes and drug names (currently under development; preliminary completion: Jul 2020).
- Committee Member (invited participation by the Department of Higher and Tertiary Education of the Republic of Cyprus) – EU Policy on "*Transforming Higher Education: How we teach in the digital age*" – *Since 2018*.
- Annual 3-hour seminar open to all UCY students: "*Three steps to your first publication*" – *organized through the UCY Center for Teaching & Learning, Since 2016*
- Invited Talk: "*Methods and Practices of support to low-performance students*", UCY Center for Teaching & Learning Seminar series – *Dec 2019*
- Invited Talk: "*What Does Good Teaching mean?*", UCY Center for Teaching & Learning Seminar series – *May 2017*
- Active member of the [UCY Center for Teaching & Learning Committee](#), (organization and planning of meetings/activities, participation in the Center's strategic planning) – *Since 2016*
- Responsible Academic for the Accreditation process of the UCY Medical School MD Program by the [Cyprus Agency of Quality Assurance and Accreditation in Higher Education](#) – *Since 2016*

PROFESSIONAL DEVELOPMENT & CONTINUOUS EDUCATION

EU Registered Expert: Pharmacology

[2022 – Current]

European Commission Portal Expert Database registration (Reg: EX2022D543045)

YUFE Academy Registered Speaker

[2021 – Current]

Young Universities for the Future of Europe (YUFE); providing online lectures for YUFE Academy.

Certified Research Evaluator

[2018 – Current]

General Secretariat for Research and Innovation, Greece

Registrar of the *Directorate for Planning and Programming Policy, Research and Innovation*, Greece (Reg. number: 17609, Approval number: 68268)

PROFESSIONAL APPOINTMENTS & NOMINATIONS

Group Member - Technology Enhanced Learning Special Interest Group

[2022 – Current]

[Association for the Study of Medical Education](#)

Group Member - Innovative Teaching & Learning Group

[2022 – Current]

[Young European Research Universities Network \(YERUN\)](#)

Member of the Scientific Committee of the Biomedical Engineering Research Centre

[2021 – Current]

Representing the Medical School UCY

Appointed Member of the Cyprus Council of Recognition of Higher Education Qualifications

[Jan 2022 – Dec 2022]

[Cyprus Council of Recognition of Higher Education Qualifications](#)

Nomination Registrar Number: 7.9.05.14

Examiner of the Cyprus State Scholarship Foundation

[2016 – Current]

Nominated by the University of Cyprus; approved by the Cyprus Finance Minister, (№: I.K.Y.K.1.1.04.1/V)

Board Member – Quality Assurance Committee

[2016 – Current]

Nominated by the UCY Medical School; approved by the UCY Senate

Board Member - Centre for Teaching & Learning Committee

[Sep 2016 – Dec 2022]

Medical School Representative

University of Cyprus

Adjunct Senior Lecturer in Pharmacology

[2016 – 2019]

School of Medicine, University of Tasmania, Australia

Associate - Understanding Animal Research

[2011 – 2012]

[Understanding Animal Research](#)

Board Member - Young Pharmacologist Committee

[2010 – 2011]

[British Pharmacological Society](#)

(Chaired by Prof. J.A. Mitchell, Head of Cardiothoracic Pharmacology, Imperial College London)

OTHER EXPERIENCE

Examination Committee Member at a Masters Thesis Final Examination

[May 2022]

MSc program at the Department of Biological Sciences, University of Cyprus.

Examinees: Ms Maria Panayiotou and Ms Charalambia Lazarou

Staff Evaluation Committee Member

[2021]

Employment Interviews for hiring Special Teaching Members of staff in the fields of Biochemistry and Physiology, Medical School, University of Cyprus.

Examination Committee Member at a Masters Thesis Final Examination

[Jun 2020]

MSc program at the Department of Agricultural Sciences, Biotechnology and Food Science, Cyprus University of Technology - Examinee: Mrs Maria Zachariou

Nottingham Trent University Alumni Mentorship Programme

[Jun 2020]

"Future You" Registered Mentor, Part of the Alumni & Industry Fellowship Programme.

Staff Evaluation Committee Member

[Jun 2020]

Contract renewal of a Special Teaching Member of staff, Medical School, University of Cyprus. Staff member: Dr Giannis Korakianitis

Examination Committee Member at a Doctoral Thesis Final Examination.

[May 2019]

Joint Medical Genetics Doctorate program (UCY Department of Biological Sciences and The Cyprus Institute of Neurology and Genetics) - Examinee: Mrs Stella Voskou.

Participation in the "Integrated Precision Medicine Technologies Research Center of Excellence

[May 2018]

A European TEAMING project for multidisciplinary research

Newsletter Guest Editor

[Sep 2017]

International Behavioral Neuroscience Society

Society's Newsletter (September issue)

Teacher Advisor Group member

[2012]

Brainscape

A web and mobile study platform for accelerating learning

University Web Editor

[2012]

University Web Content Management System (UWCMS) for the Division of Pharmacy website (University of Tasmania);

Professional member

[2012 – 2013]

Answering the public's clinical/medical questions at HealthShare

Science blogger

Blog name "*PharmacologyBLOGology*"

British Pharmacological Society website

Mentor at the Junior Achievement Cyprus

[2022]

Beyond Pre-Accelerator Programme

PEER-REVIEWING EXPERIENCE

Review Editor

[2022 – Current]

[Cancer Molecular Targets & Therapeutics](#),

Frontiers in Oncology

Recognized Elsevier Reviewer

[2019 – Current]

[Elsevier Reviews](#),

Elsevier Publishing Group

Invited Peer-Reviewer

[2022]

[BMC Bioinformatics](#)

Invited Peer-Reviewer

[2022]

[Frontiers in Pharmacology](#)

Invited Peer-Reviewer

[2022]

[Frontiers in Public Health](#)

Section *Infectious Diseases - Surveillance, Prevention and Treatment*.

Invited Peer-Reviewer

[2016]

[British Journal of Pharmacology \(BJP\)](#),

British Pharmacological Society, UK

Invited Peer-Reviewer

[2014]

[European Journal of Medicinal Chemistry \(EJMECH\)](#)

Invited Peer-Reviewer

[2014]

[The National Institute of Academic Anesthesia Grants](#)

Invited Peer-Reviewer

[2009]

[Journal of Pharmacology and Experimental Therapeutics \(JPET\)](#),

American Society for Pharmacology and Experimental Therapeutics

NETWORKS AND MEMBERSHIPS

Association for the Study of Medical Education (ASME)

[2019 – Current]

European Association for Clinical Pharmacology and Therapeutics (EACPT)

[2019 – Current]

American Society for Pharmacology & Experimental Therapeutics (ASPET)

[2016 – Current]

International Association for the Study of Pain (IASP)

[2013 – Current]

International Narcotics Research Conference (INRC)

[2011 – Current]

British Pharmacological Society (BPS)

[2009 – Current]

Greek Pharmacological Society (GPS)

[2004 – Current]

European Paediatric Translational Research Infrastructure (EPTRI)

[2017 – Current]

Consortium

Role: Cypriot National Node member; supporting the Human Development and Paediatric Medicines Discovery group & Developmental Pharmacology group

Link: <https://eptri.eu/>

Cyprus Anticancer Society

[2022 – Current]

Cyprus Association of Cancer Patients and Friends (PASYKAF)

[2022 – Current]

GRADUATE SUPERVISION & ACHIEVEMENTS OF SUPERVISEES

Ms Michaella Christodoulou & Ms Michaela Kitiri

[2022 – Current]

Project title: Developing a pain biosensor for cancer patients using a novel pain biomarker

Achievements:

- "*Business Idea Award*" at the Cyprus Entrepreneurship Competition of the 7th Innovation and Entrepreneurship Forum.
- "*The Rectors' Honorary Award*" at the Business & Entrepreneurship Competition; Student Innovators 2022 organized by the Center for Entrepreneurship of the University of Cyprus.
- "*Junior Achievement Award*" at the Beyond Pre-Accelerator Program.

Ms Charalambia Lazarou

[2022]

Graduated with MSc

Thesis title: Identification of GPCR-related regulators of Oct4 promoter activity in cervical cancers

Ms Maria Panayiotou

[2022]

Graduated with MSc

Thesis title: Identification of drugs that increase expression of the gene of interest OCT4 promoter through molecular pathways in cervical cancer cells and normal somatic cells

Mrs Despoina Vaggeli

[2021]

Graduated with BSc

Thesis title: PK/Tox of nanoparticles in zebrafish larvae

Mr Alok Kumar Paul

[2018]

Graduated with PhD

Thesis title: In vivo effects of novel bifunctional opioids

Achievements

- Endeavour Postgraduate Scholarship (Australian Government)
- Neuroscience and Behavioural Pharmacology Special Interest Group Prize (APSA/ASCEPT Joint Conference 2015), Australia.

Ms Xin Yin

[2018]

Graduated with PhD

Thesis title: In vivo effects of novel bifunctional opioids

Achievements

- Best Poster 2nd place (Graduate Research - Sharing Excellence in Research Conference); Tasmania, Australia.

Ms Olivia Mulcahy

[2015]

Graduated with a MPharm

Thesis title: MOP receptor pharmacogenomics

Mr Phil Tibbits

[2015]

Graduated with a MPharm

Thesis title: Stress-induced analgesia

Mr Ugi Chapalamadugu

[2015]

Graduated with an MSc

Thesis title: Effect of opioids on white blood cell function

Mr Hassan Elgizawy

[2014]

Graduated with an MSc

Thesis title: Characterization of novel bifunctional opioids

Achievements:

- Jim Bacon Scholarship (Best literature review & research plan, University of Tasmania)

Mr Abraham Ojochenemi

[2014]

Graduated with an MSc

Thesis title: Mitochondrial effects of opioids

Achievements:

- International Conference Scholarship (Australia Awards for Africa); Melbourne, Australia
- International Conference Scholarship (University of Tasmania); New Zealand

Ms Mel Johnson

[2013]

Graduated with a MPharm

Thesis title: Anticancer properties of opioids

Dr Jose Diaz

[2013]

Graduated with an MSc

Thesis title: Effect of opioid ligands on insulin secretion

Ms Maria Kouma

[2022 - Current]

MSc program

Thesis title: Drug discovery screening for NAA40 inhibitors

SCIENCE COMMUNICATION (PUBLIC OUTREACH)

Science communication on COVID19 drugs & vaccines

[2020 - 2022]

Media name: Various

Media type: Various TV & Radio stations (Greek)

Participants: Nikolas Dietis

Link: <https://www.youtube.com/channel/UCF99plzDpYnfBYRa2lBaFyA>

"Drugs and Vaccines for COVID19"

[2021]

Media name: University of Cyprus Service of Student Welfare

Media type: Online open meeting/presentation

Presenter: N. Dietis

Coordinator: Mr Menelaos Menelaou

“Alternative Medicine: what is the position of Science?”

[2020]

Media name: Science Hoaxes (Cyprus)

Media type: Video discussion (Greek)

Participants: Nikolas Dietis, Yiola Markou, Eleftheria Galatou

Link: <https://www.sciencehoaxes.org/2020/07/09/12-live-main-points/>

“Academics at the UCY Medical School discuss COVID19”

[2020]

Media name: Various online media outlets

Media type: Article (Greek)

Participants: Medical School members of staff

Link: <https://efimerida-cy.com/2020/11/12/πανεπιστήμιο-κύπρου-οι-ακαδημαϊκοί-ε/>

“Research Saves Lives”

[2020]

Media name: University of Cyprus website

Media type: Summary article (Greek)

Participants: Nikolas Dietis

Link: <http://www.ucy.ac.cy/alumni/el/inner-articles-gr/101-giati-na-doso>

“What it takes to become a professor of Pharmacology”

[2019]

Media name: Ερευνητικό Πρόγραμμα Teaching ICT With Inquiry (TIWI)

Media type: Video (English)

Presenter: Nikolas Dietis

Link: <http://tiwi.eun.org/category/career-materials/>

“Works and accomplishments of Kypros Nikolaidis”

[2017]

Media name: Kypros Nicolaidis Conferment Ceremony speech (Medical School University of Cyprus)

Media type: Video (Greek)

Presenter: Nikolas Dietis

Link: <http://media.ucy.ac.cy/videoportal/index.php/el/home?task=play&id=209&sl=latest>

“Tasmanian researchers hoping to turn the tables on opioid side effects”

[2014]

Media name: ABC News (Australian TV, Radio, Website)

Media type: Interview (English)

Reporter: Fred Hoper

Link: <http://www.abc.net.au/news/2014-11-25/tasmanian-researchers-turning-the-tables-on-opioid-side-effects/5916916>

“PharmacoBLOGology”

Media name: British Pharmacological Society

Media type: Blog

Author: N. Dietis

CONFERENCES AND SEMINARS

"Introduction to Pharmacogenomics: how do our genes affect how drugs work".

[Online, 2022]

Role: Presenter

Event: Seminar Series

Organizer: Young Universities for the Future of Europe (YUFE)

"Self-Directed Learning"

[Nicosia, Cyprus, 2022]

Role: Presenter

Event: Vice-Rector's Teaching & Learning Meeting Series: *Hybrid Teaching*

Organizer: University of Cyprus

"international vaccine hesitancy setting for COVID19 vaccines"

[Online, 2021]

Role: Presenter

Event: COVID19 Australia-Cyprus Forum

Organizer: Australian Alumni Association of Cyprus

"Drugs and vaccines for COVID19 in clinical trials"

[Online, 2021]

Role: Presenter

Event: Pandemic Upgrade meeting

Organizer: Neo Kyma

"From smallpox to COVID19: how do vaccines win pandemics and epidemics for 223 years".

[Online, 2021]

Role: Presenter

Event: Shots of Inspiration

Organizer: Center of Innovation & Development of Ideas of the Cyprus Telecommunications Authority (CYTA)

"Regarding the approval of COVID19 vaccines"

[Online, 2020]

Role: Presenter

Event: Public stakeholder meeting

Organizer: European Medicines Agency

Access to Medicines and Vaccines in the Covid Era

[Online, 2020]

Role: Session Panelist

Event: The Future of Healthcare in Cyprus 2020 - Annual Conference

Organizer: Health Daily

“Medical Education & Pharmacology in Cyprus: opportunities for synergies and collaboration”.

[Athens, Greece, 2019]

Role: Presenter

Event: Annual Conference

Organizer: Greek Pharmacological Society

“Methods and Practices of support to low-performance students”

[Nicosia, Cyprus, 2019]

Role: Presenter

Event: Discussion Series

Organizer: Center for Teaching & Learning, University of Cyprus

“Drug repurposing as a drug development strategy”

[2018]

Role: Presenter

Event: Research Seminar

Organization: Medochemie Ltd

“Application of mathematics in Biomedical Sciences”.

[Nicosia, Cyprus, 2018]

Role: Presenter

Event: Open Meeting

Organizer: Cyprus Mathematical Society

“Drug repurposing in the 21st century”.

[Paphos, Cyprus, 2018]

Role: Presenter

Event: 17th National Conference

Organizer: Paphos Medical Association “Asklipios”

WHO Workshop on Laboratory Diagnosis of Diphtheria

[Nicosia, Cyprus, 2017]

Role: Organizing Committee

Organization: Medical School UCY & WHO Europe

20th Golden Helix Pharmacogenomics Day

[Nicosia, Cyprus, 2017]

Role: Organizing Committee & Chair

Organizer: Medical School UCY & Golden Helix

“Three steps to your first publication”.

[Nicosia, Cyprus, 2017]

Role: Presenter

Event: Professional Development Seminar

Organizer: Center of Teaching and Learning, University of Cyprus

“Drug Repurposing: A Powerful Alternative Strategy To Drug Discovery & Development”

[Nicosia, Cyprus, 2017]

Role: Presenter

Event: Seminar Series

Organizer: Department of Biological Sciences, University of Cyprus

“What does it mean to be a good teacher?”

[2017]

Role: Presenter

Event: Open Discussions

Organizer: Center of Teaching and Learning, University of Cyprus

Graduate Research Conference (GR-SEiR)

[Hobart, Australia, 2013]

Role: Organizing Committee

Organizer: University of Tasmania

“Bifunctional Opioid Pharmacology: reasoning & challenges”

[Hobart, Australia, 2013]

Role: Presenter

Event: Research Meeting

Organizer: School of Pharmacy Research, University of Tasmania

“Antinociceptive effects of the bifunctional opioid UFP-505 in rats”

[Liverpool. UK, 2011]

Role: Presenter

Event: Annual meeting

Organizer: British Anaesthetic Research Society

East Midlands University Association's Conference of Postgraduate Research

[Leicester, UK, 2011]

Role: Conference Chair, Nominated by the Graduate Dean

Organizer: University of Leicester

“In vivo data of bifunctional opioid UFP-505”

[Leicester, UK, 2011]

Role: Presenter

Event: Postgraduate Seminar

Organizer: University of Leicester

OPEN MEDIA ARTICLES

“Science by the side of Citizens”

[2020 – 2021]

Weekly articles by **Dietis N** & Tsioutis C.

Politis national newspaper, Sunday paper.

Link: <https://politis.com.cy/category/buzzlife/covid19/>

“University of Cyprus Medical School: the accreditation of its program is an important step towards its continuous course of development”

[2017]

Article by **Dietis N**,

Alithia Newspaper, p14

Link: <http://www.alithia.com.cy/digital/arxeiopdf/2017-06-27.pdf>

“The accreditation of the program of the UCY Medical School”

[2017]

Article by **Dietis N.**

Ygeia-News.Com

Link: <https://ygeia-news.com/i-pistopoiisi-toy-programmatos-spydon-tis-iatrikis-sxolis-toy-panepistimioy-kyproy.html>

“Using a Multi-Conditioning System to perform an accurate and detailed behavioural assessment in rodents”

[2017]

Article by **Dietis N.**

IBNS Newsletter

Link: <http://www.ibnsconnect.org/newsletter-vol21-8#article-1>

“Introduction to Pharmacology”

[2012]

Article by **Dietis N.**

FastBleep Medical Notes

Link: <http://www.fastbleep.com/medical-notes/other/21/49/330>

“Career path for young pharmacologists: The Domino That Downgrades The PhD”

[2011]

Article by **Dietis, N.**

Pharmacology Matters, British Pharmacological Society, December issue

Link: <https://www.bps.ac.uk/BPSMemberPortal/media/BPSWebsite/Library/PM-Dec2011.pdf?ext=.pdf>

“Cognitive enhancers: a ‘smart’ choice?”

[2010]

Article by **Dietis, N.** and Longden, T.

Pharmacology Matters, British Pharmacological Society, December issue.

Link: <https://www.bps.ac.uk/media-library-assets/pharmacology-matters-archive/drugs-of-abuse-december-2010>

CONFERENCE PUBLICATIONS

Optically Active Bionanomachine Interfaces Build Therapeutic Nanonetworks for Glioblastoma Multiforme

[2022]

[Conference Paper]

A E Hamidieh, **N Dietis**, A Samoylenko, I Meiser, N Nicolaou, E Abdelrady, A Zhyvolozhnyi, S Vainio, O Odysseos. Optically Active Bionanomachine Interfaces Build Therapeutic Nanonetworks for Glioblastoma Multiforme. 2022 *IEEE 16th International Symposium on Medical Information and Communication Technology (ISMICT)*

Bio-nanomachine networking and communication in Glioblastoma Multiforme as a target for novel therapies

[2022]

[Poster]

X.Kosofidou, T.Nakano, Y.Okaie, A.Hamidieh, A.Samoylenko, I.Meiser, N.Nicolaou, E.Abdelrady, A.Zhyvolozhnyi, S.Vainio, **N.Dietis**, A.Odyseos. Bio-nanomachine networking and communication in Glioblastoma Multiforme as a target for novel therapies. *4th Cyprus Oncology Conference, Limassol, Cyprus*.

In vivo Kinetic and Toxicity analysis of Coumarin-6 Nanoparticles in Zebrafish (Danio Rerio)

[2022]

[Poster]

D. Vangeli, G. Gregoriou, Y. Gregoriou, C. Pitsouli, C. Andreou and N. **Dietis**. **D**. In vivo Kinetic and Toxicity analysis of Coumarin-6 Nanoparticles in Zebrafish (Danio Rerio). *Society of Biological Sciences Cyprus, National Conference on Molecular Life Sciences, Nicosia, Cyprus*.

Effects of a mixed-profile opioid UTA1003 on analgesic tolerance and motor behavior

[2021]

[Poster]

A K. Paul, K L. Woolley, J A. Smith, N Gueven and **N Dietis**. Effects of a mixed-profile opioid UTA1003 on analgesic tolerance and motor behavior. *International Narcotics Research Conference (INRC)*.

Growing Bio-nanomachine Networks: Application to Malignant Tumor Evolution and Progression.

[2020]

[Conference Paper & Presentation]

Nakano T, Okaie Y, **Dietis N** and Odyseos AD. Growing Bio-nanomachine Networks: Application to Malignant Tumor Evolution and Progression. *IEEE GLOBECOM 2020*.

Link: <https://globecom2020.ieee-globecom.org/program/symposia-tuesday>

Current clinical studies that show efficiency in primary brain tumours.

[2017]

[Poster]

Fouli A and **Dietis N**. Current clinical studies that show efficiency in primary brain tumours. *3rd Cyprus Oncology Conference, Cyprus*.

Link: <https://www.researchgate.net/publication/>

[321383184 CURRENT CLINICAL STUDIES THAT SHOW EFFICIENCY IN PRIMARY BRAIN TUMOURS AN OVERVIEW](https://www.researchgate.net/publication/321383184)

Exploring the anticancer effects of opioids: a scoping review of the literature.

[2017]

[Poster]

Tsappa I, Souroupi C and **Dietis N**. Exploring the anticancer effects of opioids: a scoping review of the literature. *3rd Cyprus Oncology Conference, Cyprus*

Link: <https://www.researchgate.net/publication/>

[321383006 EXPLORING THE ANTICANCER EFFECTS OF OPIOIDS A SCOPING REVIEW OF THE LITERATURE](https://www.researchgate.net/publication/321383006)

Morphine dosing regimen determines the inhibitory and excitatory effect on motor behaviour and antinociceptive tolerance.

[2017]

[Poster]

Dietis N, Paul A and Guven N. Morphine dosing regimen determines the inhibitory and excitatory effect on motor behaviour and antinociceptive tolerance.

European Behavioural Pharmacology Society (EBPS), Biennial Meeting, Heraklion, Greece.

Link: [https://www.researchgate.net/publication/](https://www.researchgate.net/publication/319176283)

[319176283 Morphine dosing regimen determines the inhibitory and excitatory effect on motor behaviour and antinociceptive tolerance](https://www.researchgate.net/publication/319176283)

Stress-induced memory deficit in depression: a role for oxidative stress

[2017]

[Poster]

Yin X, Bye N, **Dietis N**. and N. Guven. Stress-induced memory deficit in depression: a role for oxidative stress. *International Conference for Cognitive Neuroscience (ICON), Netherlands*.

Link: <https://www.researchgate.net/publication/319176258> Stress-

[induced memory deficit in depression a role for oxidative stress?](https://www.researchgate.net/publication/319176258)

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Morphine-dosing affects development of antinociceptive tolerance

[2017]

[Poster]

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Link: <https://www.researchgate.net/publication/319175988> Morphine-

[dosing affects development of antinociceptive tolerance](https://www.researchgate.net/publication/319175988)

Morphine's Dosing Determines the Profile of Its Antinociceptive Tolerance.

[2016]

[Poster]

Paul A, Guven N and **Dietis N**. Morphine's Dosing Determines the Profile of Its Antinociceptive Tolerance. *International Narcotics Research Conference (INRC), Bath, UK*.

Link: [https://www.researchgate.net/publication/](https://www.researchgate.net/publication/319176157)

[319176157 Morphine's Dosing Determines the Profile of Its Antinociceptive Tolerance](https://www.researchgate.net/publication/319176157)

Morphine-induced Analgesic Tolerance: Are we doing the right thing?

[2016]

[Poster]

Paul A, Guven N and **Dietis N**. Morphine-induced Analgesic Tolerance: Are we doing the right thing? *APSA/ASCEPT Joint Conference Proceedings 2016, Satellite Meeting Hobart, Australia*.

Locomotion-dependent antidepressant effect of morphine

[2016]

[Poster]

Yin X, Guven N and **Dietis N**. Locomotion-dependent antidepressant effect of morphine. *APSA/ASCEPT Joint Conference Proceedings 2016, Hobart, Australia*.

Any place to engage students in learning and teaching in the Health Sciences: the role of social media.

[2014]

[Conference Oral Presentation]

Mather C, Cummings E, Nichols L, Douglas T, **Dietis N**, Grieve R, Kemp N, Harris D and Williams AM. Any place to engage students in learning and teaching in the Health Sciences: the role of social media. *Teaching Matters 2014 Conference*.

Link: [https://www.researchgate.net/publication/](https://www.researchgate.net/publication/272493708)

[272493708](https://www.researchgate.net/publication/272493708) Any place to engage students in learning and teaching in the Health Sciences The role of Social Media? iepl[viewId]=VWJljYeclDzDv3p8xtzkywFD& iepl[profilePublicationItemVariant]=default& iepl[contexts][0]=prfpi& iepl[targetEntityId]=PB%3A272493708& iepl[interactionType]=publicationTitle

Antinociceptive effects of the bifunctional opioid UFP505 in rats

[2011]

[Conference Oral Presentation]

Dietis, N, Ruggieri V, Filaferrero M, Novi C, Guerrini R, Calo G, Rowbotham JD, Vitale G and Lambert GD. Antinociceptive effects of the bifunctional opioid UFP505 in rats. *In Anaesth. Res. Society Meeting. Br J Anaesth. 107 (5): 826-38P*.

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Characterization of the bifunctional opioid UFP505.

[2010]

[Conference Oral Presentation]

Tose, R, **Dietis N**, McDonald J, Guerrini R, Calo G, Salvadori S, Rowbotham JD and Lambert GD. Characterization of the bifunctional opioid UFP505. *In Proceedings of the Anaesth. Res. Society Meeting. Br J Anaesth, 105(5): 707-30P*.

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Liposomal composition and storage temperature affect loading efficiency of heparin.

[2005]

[Poster]

Dietis N. Liposomal composition and storage temperature affect loading efficiency of heparin. *Proceedings of the Greek Pharmacological Society Conference, Epitheorese Klinikes Farmakologias kai Farmakokinetikes. 23(1): 49-51*

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[289305971](https://www.researchgate.net/publication/289305971) Liposomal composition and storage temperature affect loading efficiency of heparin

PUBLICATIONS

[Network-based stage-specific drug repurposing for Alzheimer's disease.](#)

[2022]

Savva K, Zachariou M, Bourdakou MM, **Dietis N**, Spyrou GM. Network-based stage-specific drug repurposing for Alzheimer's disease. *Comput Struct Biotechnol J*. 2022 Mar 16;20:1427-1438.

[Differential Effects of a Novel Opioid Ligand UTA1003 on Antinociceptive Tolerance and Motor Behaviour.](#)

[2022]

Paul, A.K.; Woolley, K.L.; Rahmatullah, M.; Wilairatana, P.; Smith, J.A.; Gueven, N.; **Dietis, N**. Differential Effects of a Novel Opioid Ligand UTA1003 on Antinociceptive Tolerance and Motor Behaviour. *Pharmaceuticals* 2022, 15, 789.

[Multi-omics data integration and network-based analysis drives a multiplex drug repurposing approach to a shortlist of candidate drugs against COVID-19](#)

[2021]

Tomazou M, Bourdakou M, Minadakis G, Zachariou M, Oulas, Karatzas E, Loizidou E, Kakouri A, Christodoulou C, Savva K, Zanti M, Onisiforou A, Afxenti S, Richter J, Christodoulou C, Kyprianou T, Kolios G, **Dietis N**, Spyrou G. Multi-omics data integration and network-based analysis drives a multiplex drug repurposing approach to a shortlist of candidate drugs against COVID-19. *Briefings in Bioinformatics*, Volume 22, Issue 6, November 2021, bbab114.

[Resveratrol loaded polymeric micelles for theranostic targeting of breast cancer cells](#)

[2021]

Gregoriou Y, Gregoriou G, Yilmaz V, Kapnisis K, Prokopi M, Anayiotos A, Strati K, **Dietis N**, Constantinou AI, Andreou C. Resveratrol loaded polymeric micelles for theranostic targeting of breast cancer cells. *Nanotheranostics*, 5(1):113-124.

[Profiling the Effects of Repetitive Morphine Administration on Motor Behavior in Rats](#)

[2021]

Paul, A.K., Gueven, N, **Dietis, N**. Profiling the Effects of Repetitive Morphine Administration on Motor Behavior in Rats. *Molecules* 2021, 26, 4355.

[Opioid Analgesia and Opioid-Induced Adverse Effects: A Review.](#)

[2021]

Paul, A.K. Smith, C.M. Rahmatullah, M. Nissapatorn, V. Wilairatana, P. Spetea, M. Gueven, N. **Dietis, N**. Opioid Analgesia and Opioid-Induced Adverse Effects: A Review. *Pharmaceuticals* 2021, 14, 1091.

[Gaps in Knowledge About SARS-CoV-2 & COVID-19 Among University Students Are Associated With Negative Attitudes Toward People With COVID-19: A Cross-Sectional Study in Cyprus.](#)

[2021]

Middleton N, Tsioutis C, Kolokotroni O, Heraclides A, Theodosios-Nobelos P, Mamais I, Pantelidou M, Tsaltas D, Christaki E, Nikolopoulos G, **Dietis N**. Gaps in Knowledge About SARS-CoV-2 & COVID-19 Among University Students Are Associated With Negative Attitudes Toward People With COVID-19: A Cross-Sectional Study in Cyprus. *Front Public Health*. 2021 Nov 19;9:758030.

[Simultaneous targeting of multiple opioid receptors. A strategy to improve side effect profile](#)

[2019]

Dietis, N., Guerrini, R., Calo, G., Salvadori, S., Rowbotham, J.D., Lambert, G.D. Simultaneous targeting of multiple opioid receptors. A strategy to improve side effect profile. *Br J Anaesth.*, 103 (1): 38-49.

[Computational Drug Repurposing for Neurodegenerative Diseases.](#)

[2019]

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Savva K, Zachariou M, Oulas A, Minadakis G, Socratous K, **Dietis N**, Spyrou G. Computational Drug Repurposing for Neurodegenerative Diseases. Book Chapter in "In Silico Drug Design: Repurposing Techniques and Methodologies", 1st edition, authored by Kunal Roy, produced by Elsevier

[A Novel Conjugate of Bis\[\[\(4-bromophenyl\)amino\]quinazoline\], a EGFR-TK Ligand, with a Fluorescent Ru\(II\)-Bipyridine Complex Exhibits Specific Subcellular Localization in Mitochondria](#)

[2019]

Ilmi R, Tseriotou E, Stylianiou P, Christou YA, Ttofi I, **Dietis N**, Pitris C, Odysseos AD and Georgiades S. A Novel Conjugate of Bis[[(4-bromophenyl)amino]quinazoline], a EGFR-TK Ligand, with a Fluorescent Ru(II)-Bipyridine Complex Exhibits Specific Subcellular Localization in Mitochondria. *Molecular Pharmaceutics* 2019, 16, 10, 4260-4273.

[Ways to increase adherence to allergen immunotherapy](#)

[2018]

Pitsios C. and **Dietis N**. Ways to increase adherence to allergen immunotherapy. *Current Medical Research and Opinion*, 35:6, 1027-1031

[In vitro and in vivo characterisation of the bifunctional MOP/DOP ligand UFP-505.](#)

[2018]

Dietis N, Niwa H, Tose R, McDonald J, Ruggieri V, Filaferrero M, Vitale G, Micheli L, Ghelardini C, Salvadori S, Calo G, Guerrini R, Rowbotham DJ, Lambert DG. In vitro and in vivo characterisation of the bifunctional MOP/DOP ligand UFP-505. *British Journal of Pharmacology*. Jul; 175(14):2881-2896.

[Age-dependent antinociception and behavioral inhibition by morphine.](#)

[2018]

Paul A, Gueven N, **Dietis N**. Age-dependent antinociception and behavioral inhibition by morphine. *Pharmacology, Biochemistry and Behavior*. May; 168:8-16

[Data on prolonged morphine-induced antinociception and behavioral inhibition in older rats](#)

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Paul A, Gueven N, **Dietis N**. Data on prolonged morphine-induced antinociception and behavioral inhibition in older rats. *Data in Brief*, 19; 183-188.

[Morphine dosing strategy plays a key role in the generation and duration of the produced antinociceptive tolerance.](#)

[2017]

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