Tomasz Pawiński

Curriculum Vitae

Personal details

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Current Occupation: associated professor, Head of Department of Drug Chemistry

Research Identifiers: ORCID: 0000-0001-9110-4312

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Education and scientific career

1988 Master in Pharmacy, Medical Academy in Warsaw (currently Medical University of Warsaw), supervisor: Prof. Maria Gajewska " Determination of Pindolol in serum blood plasma"

1995 PhD in Pharmacy, Faculty of Pharmacy, supervisor: Prof. Maria Gajewska, " Determination of some immunosuppressive drugs in the body fluids"

1988 – 1995 Research assistant at the Department of Drug Chemistry

1995 – 2012 Assistant professor at the Department of Drug Chemistry

2010 Habilitation (D.Sc.) at the Faculty of Pharmacy , Medical University of Warsaw, " Limited sampling strategy for mycophenolic acid area under the curve calculation during immunosuppressive therapy in transplantation"

2012 – present Head, Department of Drug Chemistry

Internships

1996 Heinz-Breuer Stipendium sponsored by the German Scientific Association for Clinical Chemistry, Medizinische Hochschule, Institut fur Klinische Chemie

1997 The British Council Fellowship, St. George`s Hospital – University of London, The Analytical Unit, London, United Kingdom

2000 – 2001 Fellow, post-doctoral position, Clinical Pharmacology Laboratory, Department of Pathology & Laboratory Medicine, University of Pennsylvania Medical Center, Philadelphia, USA

2003 5th Advanced level Workshop on PK/PD Data Analysis: A 4 day hands-on course usinf WinNonlin software", Madingley Hall, Cambridge, United Kingdom

Professional memberships

Polish Pharmaceutical Society
International Association for Therapeutic Drug Monitoring & Clinical Toxicology (IATDMCT)
The Immunosuppressive Drugs Committee of the IATDMCT
Member of two analytical programs: United Kingdom Cyclosporin Quality Assessment Scheme and International Mycophenolate Proficiency Testing Scheme
Editorial Board member of Therapeutic Drug Monitoring (official Journal of the International Association of Therapeutic Drug Monitoring and Clinical Toxicology)

Research interests

- ✓ Development and validation of analytical methods for drugs in body fluids
- ✓ Therapeutic Drug Monitoring of immunosuppressive agents in transplantation
- ✓ Development of limited sampling strategy for estimation of some immunosuppressive drugs area under the concentration -time curve in adult transplant patients
- ✓ Weight of pharmacokinetic parameters in optimizing immunosuppressive therapy
- ✓ Determination of antiviral agents in body fluids

Professional Activities

Member of the International Advisory Board 9th International Congress of IATDMCT, Louisville, USA 2004-2005
Co-chair of the Organizing Committee, International Conference "Therapeutic Drug Monitoring in optimizing the immunosuppressive therapy" supported by the IATDMCT, Warsaw, Poland, September 2008
The Bioethical Committee member of the National Geriatrics, Rheumatology and Rehabilitation Institute 2015 – present
Team of Pharmaceutical, Biomedical and Natural Products Analysis of Analytical Chemistry Committee of Polish Academy of Sciences 2016 – present

Join in the Biomarker Working Group of the International Association of Therapeutic Drug Monitoring and Clinical Toxicology - Barcelona Consensus on Biomarker-Based Immunosuppressive Drugs Management in Solid Organ Transplantation

The co-author of Recommendations of the International Association of Therapeutic Drug Monitoring and Clinical Toxicology Immunosuppressive Drug Scientific Committee. – Assuring the proper Analytical Performance of Measurement of Immunosuppressive Drug concentrations in clinical practice.

Member of the working group of Immunosuppressive Drugs Committee of IATDMCT currently preparing a new consensus document regarding Therapeutic Drug Monitoring of mycophenolate in transplantation.

Series lectures by invitation presented during the International Congress of Polish Transplantation Society, Polish Pharmaceutical Society and Conference of Polish Transplantation Society organized every two years in Cracow by professors M. Durlik and P. Przybyłowski.

Research projects

- Mycophenolic Acid Pharmacokinetics following cardiac transplantation study – study in cooperation with National Institute of Cardiology, Warsaw, Poland
- Mycophenolic acid pharmacokinetics in kidney transplant recipients – study in cooperation with Institute of Transplantology, Medical University of Warsaw, Warsaw, Poland
- Therapeutic Drug Monitoring of antiretroviral drugs – study in cooperation with the Centre of Diagnostic and Therapy of AIDS in the Hospital of Infectious Diseases in Warsaw, Poland
- Kidney and Liver Tissue Tacrolimus concentrations in Adult Transplant Recipients – the Influence of the Whole Blood and Tissue Concentrations on Efficiency of Treatment During Immunosuppressive Therapy – study in cooperation with Department of Transplantation Medicine, Nephrology and Internal Diseases, Medical University of Warsaw, Poland
- Development and validation of new LC-MS/MS method for free fraction tacrolimus determination in plasma depending on CYP3A5 expression – study in cooperation with Department of General and Transplantation Surgery Medical University of Warsaw

Selected recent publications

1. Adam Stasiulewicz, Katarzyna Znajdek, Monika Grudzień, **Tomasz Pawiński,** Joanna Sułkowska. A Guide to Targeting the Endocannabinoid System in Drug Design. *International Journal of Molecular Sciences* 2020; 21, 2778, doi:10.3390/ijms21082778, IF 4.556
2. Joanna Sobiak, Matylda Resztak, **Tomasz Pawiński**, Paweł Żero, Danuta Ostalska-Nowicka, Jacek Zachwieja, Maria Chrzanowska. Limited sampling strategy to predict mycophenolic acid area under the curve in pediatric patients with nephrotic syndrome: a retrospective cohort study. *European Journal of Clinical Pharmacology* 2019; 75: 1249-1259, https://doi.org/10.1007/s00228-019-02701-5, IF 2.641
3. Magdalena Bodnar-Broniarczyk , **Tomasz Pawiński**, Paweł K. Kunicki. Isotope-labeled versus analog internal standard in LC-MS/MS method for tacrolimus determination in human whole blood samples-A compensation of matrix effects. *Journal of Chromatography B.* 2019, 1104: 220-227, doi:10.1016/j.chromb2018.11.026, IF 3.004
4. Brunet M, van Gelder T, Asberg A, Haufroid V, Hesselink DA, Langman L, Lemaitre F, Marquet P, Seger Ch, Shipkova M, Vinks A, Wallemacq P, Wieland E, Woillard JB, Barten MJ, Budde K, Colom H, Dieterlen M-T, Johnson-Davis KL, Kunicki PK, MacPhee I, Masuda S, Mathew BS, Millan O, Mizuno T, Moes D-J AR, Monchaud C, Noceti O, **Pawinski T**, Picard N, van Schaik R, Sommerer C, Vethe NT, de Winter B, Christians U, Bergan S. Therapeutic Drug Monitoring of Tacrolimus-Personalized therapy: Second Consensus Report. *Therapeutic Drug Monitoring* 2019, 41(3): 261-307, doi: 10.1097/FTD.0000000000000640, IF 2.073
5. Paulina Łuszczyńska, **Tomasz Pawiński**, Paweł K. Kunicki, Magdalena Durlik, Hanna Augustyniak-Bartosik, Magdalena Hurkacz. Pharmacokinetics of free and total mycophenolic acid in adult lupus nephritis patients-implication for therapeutic drug monitoring. *European Journal of Clinical Pharmacology* 2019, 75: 371-379, doi: 10,10007/s00228-018-2599-x, IF 2,641
6. Paulina Łuszczyńska, **Tomasz Pawiński,** Paweł K. Kunicki. Prediction of free mycophenolic acid concentrations and free fraction in adult lupus nephritis patients. *Therapeutic Drug Monitoring* 2019, 41(3) 406-408, doi: 10.1097/FTD.0000000000000620, IF 2.073
7. Magdalena Woinska, Monika Wanat, Przemysław Taciak, **Tomasz Pawiński**, Władek Minor, Krzysztof Woźniak. Energetics of interactions in the solid state of 2-hydroxy-8-X-quinoline derivatives (X=Cl, Br, I, S-Ph): comparison of Hirshfeld atom, X-ray wavefunction and multipole refinements. *IUCrJ* 2019, 6:: 868-883, doi: 10.1107/S2052252519007358, IF 5.401
8. Paulina Łuszczyńska, **Tomasz Pawiński**, Paweł K. Kunicki, Katarzyna Sikorska, Ryszard Marszałek. Free mycophenolic acid determination in human plasma ultrafiltrate by a validated liquid chromatography-tandem mass spectrometry method. *Biomedical Chromatography* 2017, 31(10): 1-12, doi: 10.1002/bmc.3976, IF 1.728