

AAPS AWARDS

	<i>The AAPS Journal High Impact Article Award</i> (formerly AAPS PharmSci Manuscript Award)	<i>AAPS PharmSciTech High Impact Article Award</i> (formerly Outstanding Manuscript Award in AAPS PharmSciTech and Outstanding Manuscript in Pharmaceutical Development and Technology)	<i>Pharmaceutical Research High Impact Article Award</i> (formerly AAPS Meritorious Manuscript Award)
2025	<i>Challenges and Strategies for Solubility Measurements and Dissolution Method Development for Amorphous Solid Dispersion Formulations</i> Andre Hermans (Corresponding Author), Johanna Milsmann, Hanlin Li, Christian Jede, Andrea Moir, Bart Hens, James Morgado, Tian Wu & Michael Cohen Volume 25, article number 11, (2023)	<i>Best Practices and Guidelines (2022) for Scale-Up and Tech Transfer in Freeze-Drying Based on Case Studies. Part 1: Challenges during Scale Up and Transfer</i> Serguei Tchessalov, Evgenyi Shalaev, Bakul Bhatnagar, Steven Nail, Alina Alexeenko, Feroz Jameel, Jayasree Srinivasan, Michael Dekner, Ekneet Sahni, Stefan Schneid, Petr Kazarin (Corresponding Author), Orla McGarvey, Bert Van Meervenne, Vaibhav Kshirsagar, Paritosh Pande, Jens Philipp, Greg Sacha, Ke Wu, Joseph Azzarella, Gayathri Shivkumar & Shreyas Bhatt Volume 24, article number 11, (2023)	<i>Development and Evaluation of Dissolving Microarray Patches for Co-administered and Repeated Intradermal Delivery of Long-acting Rilpivirine and Cabotegravir Nanosuspensions for Paediatric HIV Antiretroviral Therapy</i> Kurtis Moffatt, Ismaiel A. Tekko, Lalitkumar Vora, Fabiana Volpe-Zanutto, Aaron R. J. Hutton, Jessica Mistilis, Courtney Jarrahan, Nima Akhavein, Andrew D. Weber, Helen O. McCarthy & Ryan F. Donnelly (Corresponding Author) Volume 40, pages 1673–1696, (2023)
2024	<i>Machine Learning and Artificial Intelligence in Pharmaceutical Research and Development: a Review</i> Volume 24, article number 19, (2022) Corresponding Author: Sheela Kolluri Coauthors: Jianchang Lin, Rachael Liu, Yanwei Zhang, Wenwen Zhang	<i>Optimization of DOTAP/chol Cationic Lipid Nanoparticles for mRNA, pDNA, and Oligonucleotide Delivery</i> Volume 23, article number 135, (2022) Corresponding Author: Anthony J. Di Pasqua Coauthors: Mengwei Sun, Utkarsh J. Dang, Yuhao Yuan, Alexandra Maria Psaras, Ositomiwa Osipitan, Tracy A. Brooks, Fake Lu	<i>Biodistribution and Non-linear Gene Expression of mRNA LNPs Affected by Delivery Route and Particle Size</i> Volume 39, pages 105–114, (2022) Corresponding Authors: Tonglei Li, Yuhong Xu Coauthors: Jiaying Di, Zhili Du, Kangzeng Wu, Shanshan Jin, Xun Wang
2023	<i>Cancer Immunotherapy Update: FDA-Approved Checkpoint Inhibitors and Companion Diagnostics</i> Volume 23, Article number: 39 (2021) Julianne D. Twomey, Baolin Zhang	<i>Polyvinyl Alcohol/Chitosan Single-Layered and Polyvinyl Alcohol/Chitosan/Eudragit RL100 Multi-layered Electrospun Nanofibers as an Ocular</i>	<i>Molecular, Solid-State and Surface Structures of the Conformational Polymorphic Forms of Ritonavir in Relation to their Physicochemical Properties</i>

		<i>Matrix for the Controlled Release of Ofloxacin: an In Vitro and In Vivo Evaluation</i> Volume 22, Article number: 170 (2021) Corresponding Authors: Shahla Mirzaeei, Ali Nokhodchi Coauthors: Shiva Taghe, Kofi Asare-Addo	Volume 38, 971–990 (2021) Corresponding Author: Kevin J. Roberts Coauthors: Chang Wang, Ian Rosbottom, Thomas D. Turner, Sydney Laing, Andrew G. P. Maloney, Ahmad Y. Sheikh, Robert Docherty, Qiuxiang Yin
2022	<i>Recent Developments on Therapeutic and Diagnostic Approaches for COVID-19</i> The AAPS Journal, Volume 23. Article number: 14 Corresponding Author: Tamara Minko Coauthor: Joydeb Majumder	<i>Preparation and In vitro Evaluation of FDM 3D-Printed Ellipsoid-Shaped Gastric Floating Tablets with Low Infill Percentages</i> AAPS PharmSciTech, Volume 21, Article number: 6 Corresponding Authors: Guang-Rong Yan, Tian-Yuan Fan Coauthors: Di Chen, Xiang-Yu Xu, Rui Li, Gen-Ao Zang, Yue Zhang, Ming-Rui Wang, Meng-Fei Xiong, Jia-Rui Xu, Ting Wang, Hui Fu, Qin Hu, Bin Wu	<i>Two-Photon Polymerisation 3D Printing of Microneedle Array Templates with Versatile Designs: Application in the Development of Polymeric Drug Delivery Systems</i> Volume 37, Article number: 174 Corresponding Author: Ryan Donnelly Coauthors: Ana Sara Cordeiro, Ismaiel A. Tekko, Mohamed H. Jomaa, Lalitkumar Vora, Emma McAlister, Fabiana Volpe-Zanutto, Matthew Nethery, Paul T. Baine, Neil Mitchell, David W. McNeill
2021	<i>Interfacial Stress in the Development of Biologics: Fundamental Understanding, Current Practice, and Future Perspective</i> Volume 21, Article number: 44 Corresponding Authors: Jinjiang Li, Mary E. Krause Coauthors: Xiaodong Chen, Yuan Cheng, Weiguo Dai, John J. Hill, Min Huang, Susan Jordan, Daniel LaCasse, Linda Narhi, Evgenyi Shalaev, Ian C. Shieh, Justin C. Thomas, Raymond Tu, Songyan Zheng, Lily Zhu	<i>3D-Printed Isoniazid Tablets for the Treatment and Prevention of Tuberculosis—Personalized Dosing and Drug Release</i> Volume 20, Article number: 52 Corresponding Author: Niklas Sandler Coauthors: Heidi Öblom, Jiaxiang Zhang, Manjeet Pimparade, Isabell Speer, Maren Preis, Michael Repka	<i>Elucidating the Mechanism of Absorption of Fast-Acting Insulin Aspart: The Role of Niacinamide</i> Volume 36, Article number: 49 Corresponding Author: Jeppe Sturis Coauthors: Jonas Kildegaard, Stephen T. Buckley, Rasmus H. Nielsen, Gro K. Povlsen, Torben Seested, Ulla Ribel, Helle B. Olsen, Svend Ludvigsen, Claus B. Jeppesen, Hanne H. F. Refsgaard, Kristian M. Bendtsen, Niels R. Kristensen, Susanne Hostrup
2020	<i>Pharmacogenomic Biomarkers for Improved Drug Therapy—Recent Progress and Future Developments</i> Volume 20, Article 4, (2018) DOI: 10.1208/s12248-017-0161-x Corresponding Author: Magnus Ingelman-Sundberg Coauthors: Volker M. Lauschke, Lili Milani	<i>Drug Delivery from an Innovative LAMA/LABA Co-suspension Delivery Technology Fixed-Dose Combination MDI: Evidence of Consistency, Robustness, and Reliability</i> Volume 19, Issue No. 2, February 2018 (Pages 837-844) Corresponding Author: Peter Mack Coauthors: Amber Doty, Jon Schroeder, Kou Vang, Mark Sommerville, Mervin Taylor, Brad Flynn, David Lechuga-Ballesteros	<i>3D Printed “Starmix” Drug Loaded Dosage Forms for Paediatric Applications</i> Volume 35, Article number: 34 (2018) Corresponding Author: Dennis Douroumis Coauthors: Nicolaos Scoutaris, Steven A. Ross

2019	<i>Integrated Gut and Liver Microphysiological Systems for Quantitative In Vitro Pharmacokinetic Studies</i> Corresponding Author: Murat Cirit Coauthors: Nikolaos Tsamandouras, Wen Li, Kelly Chen, Collin D. Edington, Cynthia L. Stokes, Linda G. Griffith	<i>Systematic Development of Transethosomal Gel System of Piroxicam: Formulation Optimization, In Vitro Evaluation, and Ex Vivo Assessment</i> Corresponding Author: Harmanpreet Singh Coauthors: Varun Garg, Amit Bhatia, Kaisar Raza, Sachin Kumar Singh, Bhupinder Singh, Sarwar Beg	<i>Analysis of 3D Prints by X-ray Computed Microtomography and Terahertz Pulsed Imaging</i> Corresponding Author: Johan Bøtker Coauthors: Daniel Markl, J. Axel Zeitler, Cecilie Rasch, Maria Høtoft Michaelsen, Anette Müllertz, Jukka Rantanen, Thomas Rades
2018	<i>Clinical Predictors of Venetoclax Pharmacokinetics in Chronic Lymphocytic Leukemia and Non-Hodgkin's Lymphoma Patients: a Pooled Population Pharmacokinetic Analysis</i> Corresponding Author: Ahmed Salem Coauthors: Aksana K. Jones, Kevin J. Freise, Suresh K. Agarwal, Rod A. Humerickhouse, Shekman L. Wong	<i>Development of Solid Self-Emulsifying Formulation for Improving the Oral Bioavailability of Erlotinib</i> Corresponding Author: Chul-Soon Yong Coauthors: Jong Oh Kim, Duy Hieu Truong, Tuan Hiep Tran, Thiruganesh Ramasamy, Ju Yeon Choi, Hee Hyun Lee, Cheol Moon, Han-Gon Choi	<i>A Lower Temperature FDM 3D Printing for the Manufacture of Patient-Specific Immediate Release Tablets</i> Corresponding Authors: Basel Arafat, Mohamed Albed Alhnan Coauthors: Tochukwu C. Okwuosa, Dominika Stefaniak, Abdullah Isreb, Ka-Wai Wan
2017	<i>Role of the Breast Cancer Resistance Protein (BCRP/ABCG2) in Drug Transport—an Update</i> Corresponding Author: Jashvant D. Unadkat Coauthor: Jashvant D. Unadkat	<i>Development of Acid-Resistant Alginate/Trimethyl Chitosan Nanoparticles Containing Cationic beta-Cyclodextrin Polymers for Insulin Oral Delivery</i> Corresponding Author: Farid Abedin Dorkoosh Coauthors: Maryam Mansourpour, Reza Mahjub, Mohsen Amini, Seyed Naser Ostad, Elnaz Sadat Shamsa, Morteza Rafiee-Tehrani	<i>Exosome Delivered Anticancer Drugs Across the Blood-Brain Barrier for Brain Cancer Therapy in Danio Rerio</i> Pharm Res (2015) 32:2003–2014 Corresponding Author: Shuhua Bai Coauthors: Tianzhi Yang, Paige Martin, Brittany Fogarty, Alison Brown, Kayla Schurman, Roger Phipps, Viravuth P. Yin, Paul Lockman
2016	<i>Assessment and Reporting of the Clinical Immunogenicity of Therapeutic Proteins and Peptides—Harmonized Terminology and Tactical Recommendations</i> July 2014, Volume 16, Issue 4, pp 658-73 Corresponding Author: Gopi Shankar Coauthors: Steven Arkin, Laurent Cocea, Viswanath Devanarayan, Susan Kirshner, Arno Kromminga, Valerie Quarmby, Susan Richards, Christian Schneider, Meena Subramanyam, Steve Swanson, Daniela Verthelyi, S. Yim	<i>Polymeric Micelles for Multi-Drug Delivery in Cancer</i> Corresponding Author: Hyunah Cho Coauthors: Tsz Chung Lai, Keishiro Tomoda, Glen S. Kwon	<i>A Neonatal Amikacin Covariate Model Can Be Used to Predict Ontogeny of Other Drugs Eliminated Through Glomerular Filtration in Neonates</i> Corresponding Author: Cathrijne A.J. Knibbe Coauthors: Roosmarijn F.W. De Cook, Karel M. Allegaert, Catherine M.T. Sherwin, Elisabet I. Niesen, Matthijs de Hoog, John N. van den Anker, Meindert Danhof
2015	Bharat Aggarwal, Subash Gupta, Sridevi Patchva	Sven Stegemann, Paul Connolly, Wayne Matthews, Rodger Barnett, Mike Aylott, Karin Schrooten,	Aleksandra Galentin, Brian J. Houston, Malcolm Rowland, Kathryn E. Kenworthy, Michael J. Hobbs, Catherine M. Cartwright, Michael Gertz

		Dominique Cadé, Anthony Taylor, Massimo Bresciani	
2014	Tiejun Cheng, Qingliang Li, Zhigang Zhou, Yanli Wang, Stephen H. Bryant	Dan He, Qunyou Tan, Shan Liu, Xueliang Chen, Mingjun Wu, Hong Wang, Huafeng Yin, Huarong Xiong, Jingqing Zhang	Emily Hua, Brunilde Gril, Quentin R. Smith, Kunal S. Taskar, Vinay Rudraraju, Rajendar K. Mittapalli, Ramakrishna Samala, Helen R. Thorsheim, Julie Lockman, Diane Palmieri, Joseph W. Polli, Stephen Castellino, Stephen D. Rubin, Paul R. Lockman, Patricia S. Steeg
2013	Leslie Z. Benet, Fabio Broccatelli, Tudor I. Oprea		Ryan F. Donnelly, Rita Majithiya, Thakur Raghu Raj Singh, Desmond I.J. Morrow, Martin J. Garland, Yusuf K. Demir, Katarzyna Migalska, Elizabeth Ryan, David Gillen, Christopher J. Scott, David Woolfson
2012			David E. Alonzo, Geoff G.Z. Zhang, Deliang Zhou, Yi Gao, Lynne S. Taylor
2011	Ayman El-Sayed, Shiroh Futaki, Hideyoshi Harashima		Par Matsson, Jenny M. Pedersen, Ulf Norinder, Christel A.S. Bergstrom, Per Artursson
2010		Svetlana Lyapustina, Steven Novick, David Christopher, Monisha Dey, Michael Golden, Stefan Leiner, Bruce Wyka, Hans-Joachim Delzeit, Chris Novack, Gregory Lerner	Tetsuya Terasaki, Junichi Kamiie, Sumio Ohtsuki, Ryo Iwase, Ken Ohmine, Yuki Katsukura, Kazunari Yanai, Yumi Sekine, Yasuo Uchida, Shingo Ito
2009	Vladimir P. Torchilin		Gary M. Pollack, John C. Kalvass
2008		Ambikanandan Misra, Tushar K. Vyas, A.K. Babbar, Rakesh K. Sharma, Shashi Singh	
2007	Siddhesh D. Patil, David G. Rhodes, Diane J. Burgess		
2006		Susan D'Souza, Jabar Faraj, Patrick P. DeLuca	
2005	James D. Andya, Chung C. Hsu, Steven J. Shire		
2004		Chandra Vemavarapu, Matthew J. Mollan, Thomas E. Needham	
2003	Michael H. Qvist, Ulla Hoeck, Bo Kreilgaard, Flemming Madsen, Lars Hovgaard, Sven Frokjaer		
2002		Janusz W. Kostanski, Patrick P. DeLuca	
2000		Wei-Qin (Tony) Tong, Graham Whitsell	

1998		Srinivas S. Duggirala, Rahul C. Mehta, Patrick P. DeLuca	
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