

Monthly Reports of JaCVAM Activities (April, 2026)

NO.	Items	Contents
Reports published in journals		
1	Authors	Tsuchitani T ¹ , Midorikawa R ¹ , Kasuya A ¹ , Noguchi S ¹ , Yamamoto K ¹ , Nishimura T ^{1,2} , Kaji H ³ , Hori T, Tomi M ¹
	Affiliations	¹ Faculty of Pharmacy, Keio University ² Faculty of Pharmacy, Juntendo University ³ Department of Diagnostic and Therapeutic Systems Engineering, Laboratory for Biomaterials and Bioengineering (LBB), Institute of Integrated Research (IIR), Institute of Science Tokyo
	Title	MCT1-mediated bidirectional propionate transport across human placental syncytiotrophoblast layer: insights from atrophoblast stem cell-derived barrier model
	Journal, Year, Volume (Issue), Pages	J Physiol, 0.0; 2026:1-19. doi.org/10.1113/JP289595
2	Authors	Ambe K ^{1,2} , Kinoshita K ² , Tokunaga J ² , Satake R ² , Murasaki W ² , Tohkin M ² , Yamada T, Ashikaga T, Ambe K ³
	Affiliations	¹ Graduate School of Data Science, Nagoya City University ² Department of Regulatory Science, Graduate School of Pharmaceutical Sciences, Nagoya City University
	Title	ExSERA: The explainable machine learning model for skin sensitization risk assessment
	Journal, Year, Volume (Issue), Pages	Regul Toxicol Pharmacol, 2026;169:106100. doi: 10.1016/j.yrtph.2026.106100
3	Authors	Nakagawa S ¹ , Nukada Y ¹ , Saito K ¹ , Hisaki T ² , Sekine S ² , Tamura A ² , Ono A ³ , Kuwagata M ⁴ , Hirota M ⁵ , Toyoda A ⁵ , Hatao M ⁵ , Takahashi Y, Ashikaga T, Yamada T
	Affiliations	¹ Safety Science Research, Kao Corporation ² Brand Value R&D Institute, Shiseido Co., Ltd. ³ Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama University ⁴ Faculty of Health Care and Medical Sports, Department of Medical Sports, Animal Care Course, Teikyo Heisei University ⁵ Japan Cosmetic Industry Association
	Title	A Case Study for Utilization of Next Generation Risk Assessment (NGRA) for the Approval of Quasi-Drugs: Predicting the Repeated Dose Toxicity of p-Alkylphenols with Read-Across
	Journal, Year, Volume (Issue), Pages	Jpn. Cosmet. Sci. Soc, 2026;50(1) :1-12.
International academic meetings		
1	Presenter (Poster)	Jiang B ¹ , Hori T, Nashimoto Y ¹ , Kaji H ¹
	Affiliations	¹ Institute of Science Tokyo
	Title	A novel device for fabricating artificial blood vessels
	The name of academic meeting, date and place of presentation	2026 MRS Spring Meeting & Exhibit (2026.4.27, Hawaii, USA)