

2026年4月：JaCVAM活動マンスリーレポート

NO.	項 目	記 載 内 容
<b>論文・総説</b>		
1	著者名	Tsuchitani T <sup>1</sup> , Midorikawa R <sup>1</sup> , Kasuya A <sup>1</sup> , Noguchi S <sup>1</sup> , Yamamoto K <sup>1</sup> , Nishimura T <sup>1,2</sup> , Kaji H <sup>3</sup> , Hori T, Tomi M <sup>1</sup>
	他機関所属の著者がいる場合には所属機関名を記載する	<sup>1</sup> Faculty of Pharmacy, Keio University <sup>2</sup> Faculty of Pharmacy, Juntendo University <sup>3</sup> Department of Diagnostic and Therapeutic Systems Engineering, Laboratory for Biomaterials and Bioengineering (LBB), Institute of Integrated Research (IIR), Institute of Science Tokyo
	論文題名	MCT1-mediated bidirectional propionate transport across human placental syncytiotrophoblast layer: insights from atrophoblast stem cell-derived barrier model
	雑誌名、巻（号）、ページ、年	J Physiol, 0.0; 2026:1-19. doi.org/10.1113/JP289595
2	著者名	Ambe K <sup>1,2</sup> , Kinoshita K <sup>2</sup> , Tokunaga J <sup>2</sup> , Satake R <sup>2</sup> , Murasaki W <sup>2</sup> , Tohkin M <sup>2</sup> , Yamada T, Ashikaga T, Ambe K <sup>3</sup>
	他機関所属の著者がいる場合には所属機関名を記載する	<sup>1</sup> Graduate School of Data Science, Nagoya City University <sup>2</sup> Department of Regulatory Science, Graduate School of Pharmaceutical Sciences, Nagoya City University
	論文題名	ExSERA: The explainable machine learning model for skin sensitization risk assessment
	雑誌名、巻（号）、ページ、年	Regul Toxicol Pharmacol, 2026;169:106100. doi: 10.1016/j.yrtph.2026.106100
3	著者名	Nakagawa S <sup>1</sup> , Nukada Y <sup>1</sup> , Saito K <sup>1</sup> , Hisaki T <sup>2</sup> , Sekine S <sup>2</sup> , Tamura A <sup>2</sup> , Ono A <sup>3</sup> , Kuwagata M <sup>4</sup> , Hirota M <sup>5</sup> , Toyoda A <sup>5</sup> , Hatao M <sup>5</sup> , Takahashi Y, Ashikaga T, Yamada T
	他機関所属の著者がいる場合には所属機関名を記載する	<sup>1</sup> Safety Science Research, Kao Corporation <sup>2</sup> Brand Value R&D Institute, Shiseido Co., Ltd. <sup>3</sup> Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama University <sup>4</sup> Faculty of Health Care and Medical Sports, Department of Medical Sports, Animal Care Course, Teikyo Heisei University <sup>5</sup> Japan Cosmetic Industry Association
	論文題名	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
	雑誌名、巻（号）、ページ、年	Jpn. Cosmet. Sci. Soc, 2026;50(1) :1-12.
<b>学会発表・セミナー発表</b>		
1	発表者名（ポスター）	Jiang B <sup>1</sup> , Hori T, Nashimoto Y <sup>1</sup> , Kaji H <sup>1</sup>
	他機関所属の著者がいる場合には所属機関名を記載する	<sup>1</sup> Institute of Science Tokyo
	演題名	A novel device for fabricating artificial blood vessels
	学会名、発表年月及び場所	2026 MRS Spring Meeting & Exhibit (2026.4.27, Hawaii, USA)

## Monthly Reports of JaCVAM Activities (April, 2026)

NO.	Items	Contents
<b>Reports published in journals</b>		
1	Authors	Tsuchitani T <sup>1</sup> , Midorikawa R <sup>1</sup> , Kasuya A <sup>1</sup> , Noguchi S <sup>1</sup> , Yamamoto K <sup>1</sup> , Nishimura T <sup>1,2</sup> , Kaji H <sup>3</sup> , Hori T, Tomi M <sup>1</sup>
	Affiliations	<sup>1</sup> Faculty of Pharmacy, Keio University <sup>2</sup> Faculty of Pharmacy, Juntendo University <sup>3</sup> 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 <sup>1,2</sup> , Kinoshita K <sup>2</sup> , Tokunaga J <sup>2</sup> , Satake R <sup>2</sup> , Murasaki W <sup>2</sup> , Tohkin M <sup>2</sup> , Yamada T, Ashikaga T, Ambe K <sup>3</sup>
	Affiliations	<sup>1</sup> Graduate School of Data Science, Nagoya City University <sup>2</sup> 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 <sup>1</sup> , Nukada Y <sup>1</sup> , Saito K <sup>1</sup> , Hisaki T <sup>2</sup> , Sekine S <sup>2</sup> , Tamura A <sup>2</sup> , Ono A <sup>3</sup> , Kuwagata M <sup>4</sup> , Hirota M <sup>5</sup> , Toyoda A <sup>5</sup> , Hatao M <sup>5</sup> , Takahashi Y, Ashikaga T, Yamada T
	Affiliations	<sup>1</sup> Safety Science Research, Kao Corporation <sup>2</sup> Brand Value R&D Institute, Shiseido Co., Ltd. <sup>3</sup> Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama University <sup>4</sup> Faculty of Health Care and Medical Sports, Department of Medical Sports, Animal Care Course, Teikyo Heisei University <sup>5</sup> 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.
<b>International academic meetings</b>		
1	Presenter (Poster)	Jiang B <sup>1</sup> , Hori T, Nashimoto Y <sup>1</sup> , Kaji H <sup>1</sup>
	Affiliations	<sup>1</sup> 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)