

Resource Summary Report

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PMOD Software

RRID:SCR_016547

Type: Tool

Proper Citation

PMOD Software (RRID:SCR_016547)

Resource Information

URL: <http://www.pmod.com>

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Description: Software environment for the quantification of biomedical images. Biomedical image processing, analysis, and modeling software. Consists of set of tools for kinetic modeling, parametric mapping, image registration, 3D rendering and pattern analysis. Used for quantification of PET data. Many quantification methods are generic and can be applied to other modalities such as SPECT, MR and CT.

Abbreviations: PMOD

Synonyms: PMOD 4.2, PMOD 4.0, PMOD, PET Modeling

Resource Type: software toolkit, image processing software, image analysis software, software resource, software application, data analysis software, data processing software

Keywords: PMOD Technologies LLC, Kinetic modeling, quantification, PET, SPECT, MR, CT, DICOM, receptor, binding potential, distribution volume, dynamic images, motion correction, brain parcellation, partial volume correction, image registration, parametric mapping, cardiac, perfusion, gated, CFD simulation, vessel model, 3D, 4D flow, PERCIST, contouring, Alzheimer's discrimination, dosimetry

Availability: Commercially available, Training available

Resource Name: PMOD Software

Resource ID: SCR_016547

Alternate URLs: <https://www.pmod.com/web/>

Record Creation Time: 20220129T080331+0000

Record Last Update: 20260808T190056+0000

Ratings and Alerts

No rating or validation information has been found for PMOD Software.

No alerts have been found for PMOD Software.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 128 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Zheng A, et al. (2026) Maresin-1 Ameliorates Chronic Unpredictable Stress-Induced Depressive-like Behaviors Associated with Dynamic Modulation of Hippocampal Microglial Activity and TSPO PET Signals. *Biomedicines*, 14(2).

Arnaut LG, et al. (2026) Flash Photodynamic Therapy - How the Saturation of Photosensitizer Absorption Enables Selective and Deeper Tumor Treatments. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(1), e13199.

Deck AJ, et al. (2026) IFN- γ PET imaging stratifies and predicts response to CD137 agonism in a syngeneic colorectal tumor model. *Journal for immunotherapy of cancer*, 14(6).

Chae HD, et al. (2026) Mitochondrial Imaging Detects Early Cardiac Changes Following Cancer Immunotherapy. *Clinical cancer research : an official journal of the American Association for Cancer Research*.

Eisenberg DP, et al. (2025) Genetic risk for treatment resistant schizophrenia and corresponding variation in dopamine synthesis capacity and D2/3 receptor availability in healthy individuals. *Molecular psychiatry*, 30(6), 2645.

Saeed A, et al. (2025) Association of mid-life cardiovascular risk with biomarkers of Alzheimer's disease, neurodegeneration, and white matter hyperintensities: Heart SCORE brain study. *Journal of Alzheimer's disease reports*, 9, 25424823241299297.

Rafiei D, et al. (2025) Fatty acid amide hydrolase in major depressive episodes: A [11C]CURB positron emission tomography study. *Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology*, 50(10), 1536.

Witczak LR, et al. (2025) The expression of father-daughter bond behaviors influences adult partner attachment in titi monkeys. *Scientific reports*, 16(1), 1653.

Ye P, et al. (2025) Resynchronization of microglial activity in the brain is associated with restoration of motor function in Parkinson's disease. *Communications biology*, 8(1), 1188.

- Tsai CH, et al. (2025) Paired PET-MRI Deep Learning Model for Translating [11C]PiB to [18F]Florbetaben Amyloid Images. *Medical physics*, 52(12), e70168.
- Pais ML, et al. (2025) Sex-specific cortical networks drive social behavior differences in an autism spectrum disorder model. *Translational psychiatry*, 15(1), 251.
- Setogawa S, et al. (2025) Acquisition of auditory discrimination mediated by different processes through two distinct circuits linked to the lateral striatum. *eLife*, 13.
- Meißner AK, et al. (2025) Evaluation of CT and MRI Radiomics for an Early Assessment of Diffuse Axonal Injury in Patients with Traumatic Brain Injury Compared to Conventional Radiological Diagnosis. *Clinical neuroradiology*, 35(3), 521.
- Fonseca AI, et al. (2025) Unveiling the potential of copper-61 vs. gallium-68 for SSTR PET imaging. *European journal of nuclear medicine and molecular imaging*, 52(7), 2671.
- Laing BT, et al. (2025) Repetitive Grooming Behavior Following Aversive Stimulus Coincides with a Decrease in Anterior Hypothalamic Area Activity. *eNeuro*, 12(1).
- Murgaš M, et al. (2025) In vivo serotonin 1A receptor distribution in treatment-resistant depression. *Translational psychiatry*, 15(1), 186.
- Rowan C, et al. (2025) Cocaine self-administration attenuates brain glucose metabolism and functional connectivity in rats. *PloS one*, 20(6), e0324522.
- Rodrigues D, et al. (2025) Is Copper-61 the New Gallium-68? Automation and Preclinical Proof-of-Concept of 61Cu-Based Radiopharmaceuticals for Prostate Cancer Imaging. *Pharmaceuticals (Basel, Switzerland)*, 18(4).
- Anzilotti S, et al. (2025) TSPO Expression and [18F]DPA-714 PET/CT Imaging as Pathogenetic and Diagnostic Biomarkers in Symptomatic Stages of Skeletal Muscle Fiber Degeneration in SOD1-G93A ALS Mice. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 39(20), e71129.
- Grkovski M, et al. (2025) 18F-BMS-986229 PET imaging of tumor PD-L1 expression in glioblastoma patients. *EJNMMI research*, 15(1), 124.