Office of the Vice President for Research

Research Cores

Research Cores provide access to instrumentation, equipment and facilities (including databases), software, or professional expertise in the design and conduct of specialized measurements, analysis and interpretation of data, and research collaboration. To be considered a unviersity-level research core, research resources should be broadly available to investigators and research teams across the University (and perhaps beyond) and should have a business plan or funding model (academic unit/center backed, recharge, project-by-project funding, etc.). Please contact the core directly about potential collaborations, including more detailed information about capabilities and funding methods.

Name	Web URL or Contact
A.H. Ismail Center	http://www.purdue.edu/hhs/hk/ismail
Advanced Graphics and Visualization Laboratory	http://www.tech.purdue.edu/cgt/appliedresearch/Knoy346.cfm
Agronomy Center of Research and Education	http://www.ag.purdue.edu/agry/acre/Pages/default.aspx
Amy Analytical Instrumentation Center	http://www.chem.purdue.edu/aaic/
Amy Instrumentation Facility	http://jafci.chem.purdue.edu/default.htm
Animal Sciences Research and Education Center	http://www.ag.purdue.edu/ansc/Pages/ASREC.aspx
Archives & Special Collections	http://www.lib.purdue.edu/spcol/
Assessment and Evaluation/ Discovery Learning Research Center	www.purdue.edu/dp/learningcenter
Bioinformatics	Jyothi Thimmapura, jyothit@purdue.edu
Bioinformatics and Discovery Systems Lab	http://bioinformatics.tech.purdue.edu
Biological Sciences Electron Microscopy Facility	http://www.bio.purdue.edu/molecular_biosciences/microscope_facility.html
Biomolecular Cleanroom	http://www.purdue.edu/discoverypark/nanotechnology/facilities
Biophysical Analysis Laboratory	http://www.purdue.edu/discoverypark/bioscience/facilities/bioanalytical/
Bioscience Imaging Facility	http://www.purdue.edu/discoverypark/bioscience/facilities/imaging/
Center for Analytical Instrumentation Development	http://www.purdue.edu/dp/caid/
Center for Environmental and Regulatory Information Systems	http://ceris.purdue.edu/ceris/
Center for Global Trade Analsyis	https://www.gtap.agecon.purdue.edu/
Center for Materials Processing and Tribology - Metrology Laboratory	S. Chandrasekar, chandy@purdue.edu; James Mann, jbmann@purdue.edu; Dale Compton, dcompton@purdue.edu
Center for Materials under eXtreme Environment (CMUXE)	https://engineering.purdue.edu/CMUXE/
Chemistry Glass Shop	http://www.chem.purdue.edu/glasslab/
Chemistry Machine Shop	http://www.chem.purdue.edu/machine/
Christopher and Susan Burke Hydraulics and Hydrology Laboratory	https://engineering.purdue.edu/CE/H2O
Community Clusters	http://www.rcac.purdue.edu/userinfo/communityclusters.cfm
Computational Life Sciences and Informatics	http://www.purdue.edu/bbc/bioinformatics/
Confocal Laser Scanning Microscope	Don Ready, readyd@purdue.edu
CTSI Core Facility: Birck Nanotechnology Center BioNanotechnology Labs	Professor James Leary, jfleary@purdue.edu
Cyberforensics Lab	Marcus Rogers, rogersmk@purdue.edu
Digital Enterprise Center	http://www.tech.purdue.edu/cgt/appliedresearch/Knoy373.cfm
Digitization Center	http://www.lib.purdue.edu/spcol/digit
Discovery Learning Research Center	http://www.purdue.edu/dp/learningcenter
Distributed Data Curation Center	http://d2c2.lib.purdue.edu
Educational Research Facilities/Discovery Learning Research Center (DLRC)	http://www.purdue.edu/discoverypark/learningcenter/facilities/facilities.php

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Research Cores *(continued)*

Name	Web URL or Contact
Electron Microscopy	http://www.purdue.edu/discoverypark/nanotechnology/facilities
Envision Center	http://www.envision.purdue.edu/
Epitaxy	http://www.purdue.edu/discoverypark/nanotechnology/facilities
Flow Cytometry and Cell Separation Facility	http://www.purdue.edu/discoverypark/bioscience/facilities/flowcytometry/
Food Science Pilot Laboratory	http://www.ag.purdue.edu/foodsci/Pages/pilot_plant.aspx
Genomics Core Facility	http://www.genomics.purdue.edu/
High Performance Computer Graphics Laboratory	Bedrich Benes, bbenes@purdue.edu
High-Performance Computing and Cyberinfrastructure Research Lab	http://cyberforensics.purdue.edu/
Hub Platform (virtual organizations)	http://hubzero.org/
ICP-MS for Elemental Analysis of Liquids	Linda Lee, lslee@purdue.edu
IDEALab	http://www.idealaboratory.org/
Impact Science Laboratory	https://engineering.purdue.edu/people/weinong.w.chen.1
Integrated Screening Technologies Laboratory	http://www.purdue.edu/discoverypark/bioscience/facilities/ist/
Integrated Smart Energy Technology Lab (INSET)	J. Eric Dietz (jedietz@purdue.edu)
Interdepartmental NMR Facility	http://www.pinmrf.purdue.edu
Laboratory for Renewable Resources Engineering (LORRE)	http://cobweb.ecn.purdue.edu/~lorre/16/overview/
Laser Research Facility, School of Mechanical Engineering	lucht@purdue.edu, xxu@purdue.edu, shin@purdue.edu
Life Sciences Electron Microscopy Facility	http://www.ag.purdue.edu/facilities/microscopy/pages/default.aspx
Life Sciences Fluorescence Imaging Facility	https://www.agriculture.purdue.edu/clsm/
Lilly Animal Care Facility	Cindy Sanow, sanow@purdue.edu
Physics Machine Shop	http://www.physics.purdue.edu/machineshop/
Macromolecular Crystallography	Tim Schmidt (tschmidt@purdue.edu) or Alan Friedman (afried@purdue.edu)
Maha Fluid Power Laboratory	http://engineering.purdue.edu/Maha/
Medical Discovery Resource Unit	http://www.vet.purdue.edu/mdru/
Metabolite Profiling Facility	http://www.purdue.edu/bbc/mpf
Microwave Plasma Chemical Vapor Deposition	http://www.purdue.edu/discoverypark/nanotechnology/facilities
Mineral Analysis Laboratory	Berdine Martin, bmartin1@purdue.edu
Mobile Application Development Lab	Kyle Lutes, kdlutes@purdue.edu
MSE Materials Preparation and Testing Labs	https://engineering.purdue.edu/MSE/Research/Facilities/General_Labs.html
MSE Microscopy Facility	https://engineering.purdue.edu/MSE/Research/Facilities/Microstructural/EM-Facility.html
MSE X-Ray Characterization Facility	https://engineering.purdue.edu/MSE/Research/Facilities/XRayFacility/index.html
National Test Facility for Fuels and Propulsion	http://www.tech.purdue.edu/at/NATEF/

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Name	Web URL or Contact
Optics and Spectroscopy	http://www.purdue.edu/discoverypark/nanotechnology/facilities
Pankow Materials Laboratories	Jason Weiss, wjweiss@purdue.edu
Physiological Sensing Facility	http://www.purdue.edu/discoverypark/psf/
PRIME Lab	http://www.physics.purdue.edu/primelab/
PUPIL (Purdue University Psychometric Instruction/Investigation Laboratory)	http://pupil.education.purdue.edu/
Purdue Agriculture Air Quality Lab	https://engineering.purdue.edu/~odor/facilities.htm
Purdue Bone/Body Composition Imaging Core -- Animal DXA	Douglas Maish, maish@purdue.edu
Purdue Bone/Body Composition Imaging Core -- DXA & pQCT	Douglas Maish, maish@purdue.edu
Purdue Bone/Body Composition Imaging Core -- Micro CT	Douglas Maish, maish@purdue.edu
Purdue Malware Lab - FBI Cyber Crime Task Force	Jim Goldman, jgoldman@purdue.edu
Purdue MRI Facility	http://mri.ecn.purdue.edu
Purdue Proteomics Facility	http://www.purdue.edu/bbc/ppf/
Purdue University Research Repository (PURR)	https://research.hub.purdue.edu
Purdue Stable Isotope Facility	http://www.eas.purdue.edu/psi/
Purdue Translational Pharmacology Facility	Robyn McCain, rrmccain@Purdue.edu
Purdue University Reactor Number 1 (PUR-1)	https://engineering.purdue.edu/NE/Research/Facilities/reactor.html
Research Machining Service	http://www.purdue.edu/discoverypark/machineshop/
Ross Biological Reserve	http://www.bio.purdue.edu/ecology/ross-reserve/index.html
SAXS/USAXS Facility	M.T. Harris, mtharris@purdue.edu
Scifres Nanofabrication Cleanroom	http://www.purdue.edu/discoverypark/nanotechnology/facilities
Sensory Evaluation Laboratories	http://www.ag.purdue.edu/foodsci/Pages/sensory_lab.aspx
Simulation Lab	http://www.nursing.purdue.edu/centersandclinics/cnes/
Software Solutions	http://www.rcac.purdue.edu/projects/
SPM	http://www.purdue.edu/discoverypark/nanotechnology/facilities
Statistics Consulting Service	http://www.stat.purdue.edu/scs/
Superresolution Imaging Lab	www.vet.purdue.edu/imaginglab
Surface Analysis	http://www.purdue.edu/discoverypark/nanotechnology/facilities
Transgenic Mouse Core Facility	http://www.cancerresearch.purdue.edu/for_reserachers/transgenic_mouse.html
Videoconferencing	http://www.itap.purdue.edu/tlt/gomeet/index.cfm
Vistec Ebeam	http://www.purdue.edu/discoverypark/nanotechnology/facilities
Water Quality Field Station	http://www.agry.purdue.edu/water/fieldstn/WQFS.htm#projects
X-ray Crystallography	http://www.chem.purdue.edu/xray/default.asp

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