

Nanotechnology Resources

Name	Description	Link
caNanoLab	The cancer Nanotechnology Laboratory portal (caNanoLab) is a portal designed to facilitate data sharing in the research community. caNanoLab provides support for the annotation of nanomaterials with physico-chemical and in vitro characterizations and the sharing of these characterizations and associated protocols in a secure fashion. caNanoLab is engineered based on principles and technologies from the NCI caBIG program and provides access to nanotechnology information leveraging a federated approach.	caNanoLab Portal
NBI Knowledgebase	(From NBI website) NBI is short for the Nanomaterial-Biological Interactions Knowledgebase. The knowledgebase serves as a repository for annotated data on nanomaterial characterization (for example, purity, size, shape, charge, composition, functionalization, agglomeration state), synthesis methods, and nanomaterial-biological interactions (i.e. beneficial, benign or deleterious) defined at multiple levels of biological organization (for example, molecular, cellular, organismal). Computational and data mining tools are currently being developed and incorporated into the NBI to provide a logical framework to conduct species, route, dose and scenario extrapolations and identify key data required to predict the biological interactions of nanomaterials.	http://oregonstate.edu/nbi/nbi/ 
Nanoparticle Ontology	Cancer-focused nanomedicine ontology	http://npontology.org/ 
MICAD	Molecular Imaging Contrast Agent Database	http://micad.nih.gov/
Nanotechnology Risk Resources	references to papers, articles, and books on (or related to) potential health and environmental risks of nanomaterials	http://www.nanocoe.net/nanorisks 
SAFENANO Database	UK resource on nanotechnology hazard and risk	http://www.safenano.org/ 
Nanotechnology Information Library (NIL)	NIOSH database	http://nanoparticlelibrary.net/ 
NanoTech Wire	Latest nanotechnology news	http://nanotechwire.com/ 
NanoEthicsBank	---	http://ethics.iit.edu/research/nano-ethics-bank 
InterNano	InterNano is an information clearinghouse for the nanomanufacturing community. It is a service of the National Nanomanufacturing Network.	http://www.internano.org/ 
NanoWork	the world's most comprehensive nanotechnology and nanoscience resources	http://www.nanowerk.com/ 
MINChar	A community initiative to improve the utility of nanotoxicology studies through effective nanomaterial characterization	http://characterizationmatters.org/ 
NSTI	The Nano Science and Technology Institute (NSTI) advances and integrates nano and other advanced technologies through education, conventions, business publishing, and research services	http://www.nsti.org/ 
NIST Nanotechnology Portal	---	http://www.nist.gov/nanotechnology-portal.cfm
ICON EHS Database	The ICON Environmental, Health and Safety (EHS) database contains summaries (abstracts) and citations for research papers related to the EHS implications of nanoscale materials.	http://cohesion.rice.edu/centersandinst/icon/research.cfm 
ICON nanoEHS Virtual Journal	The Virtual Journal of Nanotechnology Environment, Health and Safety	http://icon.rice.edu/virtualjournal.cfm 

PEN EHS Inventory	An inventory of current research involving nanotechnology health and environmental implications	http://www.nanotechproject.org/inventories/ehs/ 
PEN Nanotechnology Map	This map shows the locations (by zipcode) of companies, universities, government laboratories, and organizations working in nanotechnology around the United States.	http://www.nanotechproject.org/inventories/map/ 
PEN Nanotechnology Medical Applications	To better understand current and future applications of nanotechnology in various fields of medicine, the project has developed two web-based resources that track medical developments focused on cancer and drug delivery systems.	http://www.nanotechproject.org/inventories/medicine/ 
IEEE Nanotechnology Council	The IEEE Nanotechnology Council is a multi-disciplinary group whose purpose is to advance and coordinate work in the field of Nanotechnology carried out throughout the IEEE in scientific, literary and educational areas. The Council supports the theory, design, and development of nanotechnology and its scientific, engineering, and industrial applications.	http://sites.ieee.org/nanotech/ 
ISO TC 229	---	http://www.iso.org/iso/iso_technical_committee?commid=381983 
NanoHub	Online simulation and more for nanotechnology	http://nanohub.org/ 