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At pION we consider determination or prediction of solubility, dissolution, permeability and human absorption our core business. We intend to cover the needs of the pharmaceutical industry for screening and analysis of pharmaceutical compounds in these areas through the combination of instrumentation, software and laboratory services. pION INC. is a rapidly growing, privately-held company, located in Woburn, at the center of the biotechnology community in the Boston area.

Recent Publications by Pion:



- [Powder dissolution method for estimating rotating disk intrinsic dissolution rates of low solubility drugs.](#)
PURPOSE: The objective was to investigate the applicability and... 3rd November, 2009
pION INC, Woburn, MA 01801, USA.- Pharm Res. 2009 Sep;26(9):2093-100. Epub 2009 Jun 19. ([DOI Direct Link](#))
- [The Burroughs Wellcome Career Award in the Biomedical Sciences: challenges to and prospects for estimating the causal effects of career development programs.](#)
The Career Award in Biomedical Sciences (CABS) was launched by the... 9th January, 2009
Vanderbilt University, Department of Psychology and Human Development, MSC- Eval Health Prof. 2008 Dec;31(4):335-69. Epub 2008 Oct 6. ([DOI Direct Link](#))
- [Miniaturized rotating disk intrinsic dissolution rate measurement: effects of buffer capacity in comparisons to traditional wood's apparatus.](#)
PURPOSE: The objective was to investigate the feasibility of using a... 17th December, 2008
PION INC, 5 Constitution Way, Woburn, Massachusetts 01801, USA.- Pharm Res. 2008 Nov;25(11):2613-27. Epub 2008 Jul 22. ([DOI Direct Link](#))
- [Absorption-excipient-pH classification gradient maps: sparingly soluble drugs and the pH partition hypothesis.](#)
This study of sparingly soluble model drugs assesses (a) how pH and the... 23rd May, 2008

- pION INC, 5 Constitution- Eur J Pharm Sci. 2008 Jan;33(1):29-41. Epub 2007 Oct 2. ([DOI Direct Link](#))
- [Solubility of sparingly-soluble ionizable drugs.](#)
*The experimental and computational basis of the pH-dependent measurement...*12th January, 2008
pION INC, 5 Constitution- Adv Drug Deliv Rev. 2007 Jul 30;59(7):568-90. Epub 2007 May 29. ([DOI Direct Link](#))
 - [PAMPA--critical factors for better predictions of absorption.](#)
*PAMPA, log P(OCT), and Caco-2 are useful tools in drug discovery for the...*12th December, 2007
pION INC, 5 Constitution Way, Woburn, Massachusetts 01801, USA.- J Pharm Sci. 2007 Nov;96(11):2893-909. ([DOI Direct Link](#))
 - [Solubility-excipient classification gradient maps.](#)
*This study assessed the effect of excipients (sodium taurocholate,...*21st September, 2007
pION INC, 5 Constitution- Pharm Res. 2007 Mar;24(3):530-45. ([DOI Direct Link](#))
 - [Absorption spectra of dye solutions measured using a white light thermal lens spectrophotometer.](#)
*We describe a two-beam thermal lens spectrophotometer that uses a xenon...*12th July, 2007
Applied Optics Center, Delaware State University, Dover, Delaware 19901,- Appl Spectrosc. 2006 May;60(5):560-3. ([DOI Direct Link](#))
 - [Microfilarial distribution of Loa loa in the human host: population dynamics and epidemiological implications.](#)
*Severe adverse events (SAEs) following ivermectin treatment may occur in...*6th October, 2006
Laboratoire mixte IRD (Institut de Recherche pour le Developpement) - CPC- Parasitology. 2006 Jul;133(Pt 1):101-9. ([DOI Direct Link](#))
 - [The rise of PAMPA.](#)
*The parallel artificial membrane permeability assay (PAMPA), as a...*26th September, 2006
pION INC., 5 Constitution- Expert Opin Drug Metab Toxicol. 2005 Aug;1(2):325-42. ([DOI Direct Link](#))
 - [Co-infection with Onchocerca volvulus and Loa loa microfilariae in central Cameroon: are these two species interacting?](#)
*Ivermectin treatment may induce severe adverse reactions in some...*26th July, 2006
Laboratoire mixte IRD, Institut de Recherche pour le Developpement, CPC,- Parasitology. 2006 Jun;132(Pt 6):843-54. Epub 2006 Feb 10. ([DOI Direct Link](#))
 - [PAMPA--a drug absorption in vitro model 13. Chemical selectivity due to membrane hydrogen bonding: in combo comparisons of HDM-, DOPC-, and DS-PAMPA models.](#)
*This study compares the intrinsic permeability coefficients of 40 drug...*15th June, 2006
pION INC, 5 Constitution Way, Woburn, MA 01801-1024, USA.- Eur J Pharm Sci. 2006 May;28(1-2):43-50. Epub 2006 Feb 14. ([DOI Direct Link](#))
 - [Loiasis: the individual factors associated with the presence of microfilaraemia.](#)
*No microfilariae are detectable in a significant percentage of those...*9th September, 2005
Laboratoire mixte IRD (Institut de Recherche pour le Developpement) - CPC- Ann Trop Med Parasitol. 2005 Jul;99(5):491-500. ([DOI Direct Link](#))
 - [Caco-2 permeability of weakly basic drugs predicted with the double-sink PAMPA pKa\(flux\) method.](#)
*The aim of this study was to analyze pH-dependent permeability of cationic...*29th July, 2005
pION Inc., 5 Constitution- Eur J Pharm Sci. 2005 Mar;24(4):333-49. Epub 2005 Jan 20. ([DOI Direct Link](#))
 - [Pitch detection of dynamic iterated rippled noise by humans and a modified auditory model.](#)
*Iterated ripple noise (IRN) is a broadband noise with temporal...*3rd June, 2005
Plymouth Centre for Theoretical and Computational Neuroscience, University- Biosystems. 2005 Jan-Mar;79(1-3):199-206. ([DOI Direct Link](#))

- [Dynamical Model of Coherent Pion Production in Neutrino-Nucleus Scattering](#)
Research & Development: Oct 21 2009 12:26AM Matching: pion



Pion Patents:

- 7022528- [Method and apparatus for improving in vitro measurement of membrane permeability of chemical compounds](#)
- 6569686- [Measurement of solubility-pH profiles](#)

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