

Porada vedoucích

4. května 2007

Příprava plánu pro rozvoj ekonomických zdrojů pro ÚOCHB

LS Capital
Doc. Martin Fusek

- a) analýzu finančních zdrojů
- b) předpověď finančních zdrojů na období 2007 – 2013
- c) identifikace možných dodatečných zdrojů v rámci UOCHB
- d) identifikace možných dodatečných zdrojů mimo UOCHB
- e) databáze existujících projektů s potenciálem komerčního využití
- f) analýza vnitřní připravenosti ústavu pro projekty typu spin-off (jak materiálově-ekonomické tak lidských zdrojů)
- g) identifikace problematických bodů (právní ochrana IP, legální postupy, atd.)
- h) vyhodnocení záměru stavby inkubátoru

Akademická rada AV ČR jmenovala s účinností k 1. květnu 2007 na pětileté funkční období dozorčí radu Ústavu organické chemie a biochemie AV ČR, v.v.i., ve složení:

předseda:	RNDr. Jiří Rákosník, CSc. AR AV ČR
místopředseda:	Ing. David Šaman, CSc. ÚOCHB
členové:	prof. Ing. Jiří Drahoš, DrSc. AR AV ČR
	prof. Helena Illnerová, DrSc. VR AV ČR
	Mgr. Tomáš Chalupa, starosta Prahy 6
	Ing. Pavel Šebek, CSc. Zentiva, a.s.
	Ing. Peter Šebo, CSc. MBÚ

Služební byty - garsoniery

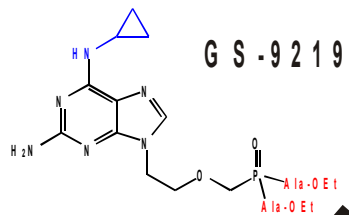
Praha 8, Batličkova 3, od července 2007

Praha 6, Patočkova 39, od září 2007

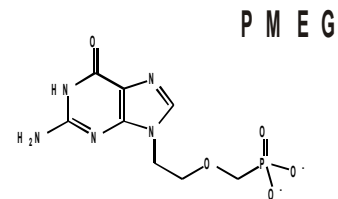
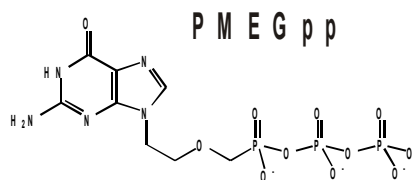
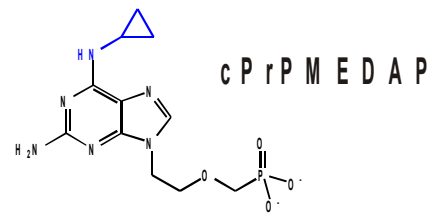
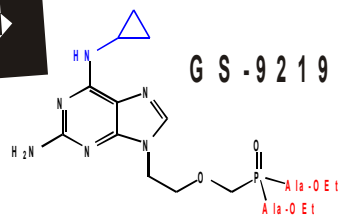
Termín podání žádosti: 21. květen 2007

**Termín podání žádosti na ÚOCHB:
Do pátku 11. května 2007 do sekretariátu ředitele**

Po stanovení pořadí na ÚOCHB bude nutno vyplnit formulář



Cancer Cell



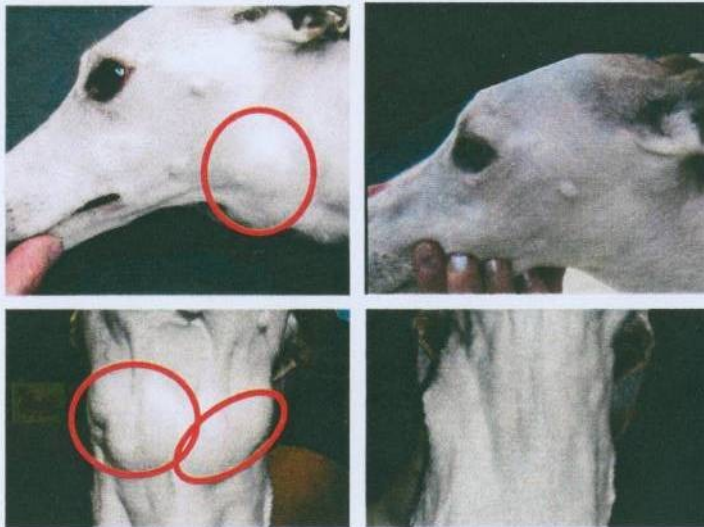
DNA Chain Terminator

GS-9219 Efficacy in Canine NHL

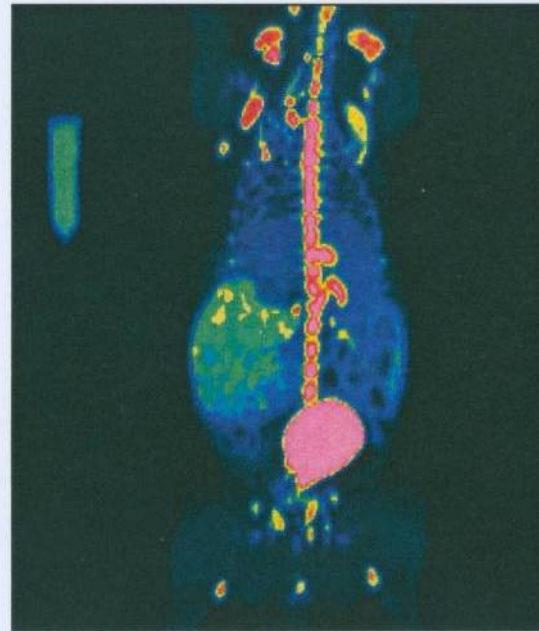
Response After a Single Dose

UW014: Refractory NHL

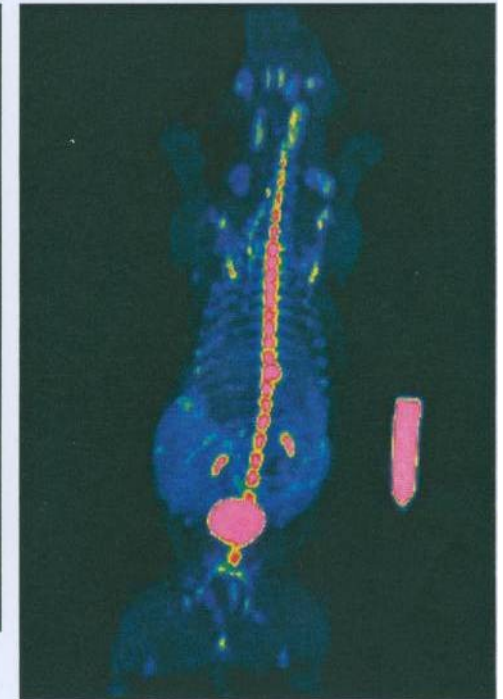
Pre-treatment Day 6 post-dose



Pre-treatment



Day 6 post-dose



Science &

April 30, 2007
Volume 85, Number
p. 28

Science &

- [Perkin's mauveine](#)
- [Boron buckyball pre](#)
- [Carbon flux in the o](#)
- [Water's unexpected](#)
- [New malaria drugs](#)

Water's une

If there's one thing pure water is 7. But Prague, suggests Acad. Sci. USA, D understanding aqu basis of both comp **water is less than** from proton stabili experimentally, the surface area.

Water's surface is acidic

28 April 2007

Pure, neutral water has an acid skin. This striking notion has now been confirmed by calculations and tests by an international team of scientists. Victoria Buch of the Hebrew University of Jerusalem in Israel and her coworkers have found that the pH of pure water falls from the perfectly neutral value of 7 within the liquid to just 4.8 or less - about as acidic as beer - where water meets air at the surface.

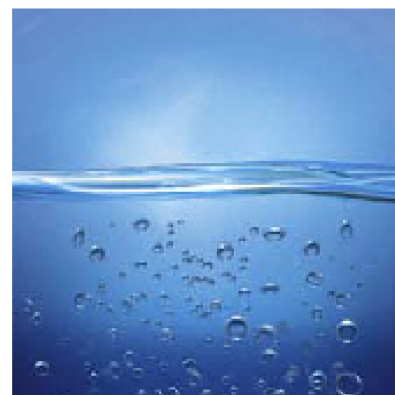
The finding could be significant for a number of disciplines. In the atmosphere, many important chemical reactions between trace gases take place at the surface of water droplets in clouds. 'pH is an essential factor for many of these reactions,' said Pavel Jungwirth, one of Buch's collaborators at the Academy of Sciences of the Czech Republic in Prague. 'The low pH could also affect the rates of carbon dioxide absorption at the ocean surface,' added water specialist Richard Saykally of the University of California at Berkeley, US.

And in molecular biology the effect might be reproduced where water comes into contact with water-repelling (hydrophobic) parts of proteins, changing the acid-base chemistry that goes on at protein surfaces. 'The effects of interface acidification on protein and membrane structure could be huge,' said theoretical chemist Gregory Voth at the University of Utah.

Perfectly clear

It has become clear in the past several years that water's surface may look very different from the bulk liquid. Saykally and Jungwirth have shown that dissolved ions can become either depleted or concentrated at the surface. But the accumulation of protonated water molecules (H_3O^+ or hydronium, the basic component of acidity in water) at the air-water interface happens for unique reasons.

In 2004 Voth and his coworkers used quantum-mechanical computer simulations to show that hydronium prefers to sit at the water surface rather than deep inside the liquid. Whereas H_2O molecules typically form four hydrogen bonds to their neighbours, H_3O^+ can only form three. The three hydrogens can bind to other water molecules, but the oxygen atom, where most of the positive charge resides, can't any longer act as a good 'acceptor' for hydrogen bonds.



Water has an acid sting at its surface

pH of a glass of each Republic, in acidic (Proc. Natl. ct" on argues say. On the **ce layers of pure** lower pH arises phenomenon aterial with a large

7th International Conference on Protein Stabilization ProStab2007

Berka K., Vondášek J., Hobza P.:
Energy Stabilization Inside of the Hydrophobic Core of Rubredoxin

2. místo v soutěži o nejlepší poster

IOCB Invited Lecture Series

1. Pro studenty, doktorandy a post-doktorandy povinné
2. Pro ostatní vědecké pracovníky je účast morální povinností

April 25, 2007

Molecular Printboards

Prof. David N. REINHOUDT, Faculty of Science and Technology,
University of Twente, Enschede, The Netherlands

May 21, 2007

*A Tale of Two States: From Iron Oxo Diatomic to Cytochrome
P450 and Other Oxidation Catalysts*

Prof. Sason SHAIK, Department of Organic Chemistry, The Hebrew
University, Jerusalem, Israel

May 28, 2007

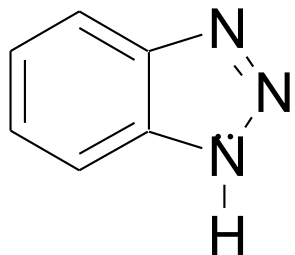
Reaction Chemistry Meets Lithography

Prof. Colin NUCKOLLS, Department of Chemistry, Columbia
University, New York, USA

Peptides and Peptoids

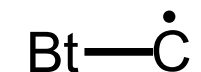
Alan R. Katritzky

University of Florida, Center for Heterocyclic compounds



Lecture presented in 2007

Reviews of Benzotriazole Chemistry



**Ve středu 4. července 2007
v 10:00 ve velké zasedací síni ústavu**

Od 14 hod diskuse s prof. Katritzky

Termíny:

Stěhování z budovy C:

Konvalinka, Pichová – týden od 25. 6.

Ostatní – týden od 18. 6.

Úprava prostoru před budovou A:

Od 9. 5. rekonstrukce kanalizace

Poté bude následovat revitalizace zeleně (Revita)

První digestoře do uvolněných prostor:

Dnes cenová nabídka, instalace následovně