

**FRIDAY
6/24/2005****Session 1: Neuroreceptors****0900 - 1015****THE EFFECT OF P-GLYCOPROTEIN (Pgp) MODULATION ON SPECIFIC UPTAKE OF SUBSTITUTED [¹⁸F]MPPF DERIVATIVES S1**

de Vries E.F.J., Brattinga N.S., Elsinga P.H., Passchier J., van Waarde A.
University Medical Center Groningen, Groningen, Netherlands; ACCI Addenbrooke's Hospital, Cambridge, United Kingdom

DEVELOPMENT OF RADIOTRACERS FOR MEASURING THE FUNCTION OF MULTIDRUG RESISTANCE-ASSOCIATED PROTEIN IN THE BRAIN IN VIVO S2

Okamura T., Kikuchi T., Fukushi K., Arano Y., Irie T.
National Institute of Radiological Sciences, Chiba, Japan; Graduate School of Pharmaceutical Sciences, Chiba University, Chiba, Japan

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James M., Fulton R., Henderson D., Eberl S., Fulham M., Allan R., Thompson S., Dolle F., Kassiou M.
University of Sydney, Sydney, NSW, Australia; Royal Prince Alfred Hospital, Sydney, NSW, Australia; CEA/DSV, Orsay, France

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National Institute of Mental Health, NIH, Bethesda, MD, USA

RADIOSYNTHESIS AND EVALUATION OF (+)[¹¹C]PHNO AS RADIOTRACER FOR IN VIVO IMAGING OF THE DOPAMINE D2 HIGH AFFINITY STATE WITH POSITRON EMISSION TOMOGRAPHY (PET) S5

Wilson A.A., Kapur S., McCormick P., Garcia A., Hussey D., Willeit M., Houle S., Ginovart N.
University of Toronto, Toronto, ON, Canada

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University of Michigan, Ann Arbor, MI, USA

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GlaxoSmithKline Pharmaceuticals, Cambridge, United Kingdom; GlaxoSmithKline Pharmaceuticals, Harlow, United Kingdom; Aarhus University Hospital, Aarhus, Denmark

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Duval R.A., Allmon R.L., Gustafson J.L., Carmack T.L., Watkinson L.D., Lever J.R.
University of Missouri - Columbia, Columbia, MO, USA; Harry S. Truman Veterans' Hospital, Columbia, MO, USA

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University of California, Irvine, CA, USA; Kettering Medical Center, Wright State University, Dayton, OH, USA

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University of Missouri, Columbia, MO, USA; Harry S Truman Veterans Hospital, Columbia, MO, USA

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Li W.P., Meyer L.A., Sherman C.D., Anderson C.J.
Washington University School of Medicine, St. Louis, MO, USA

Session 2: Radionuclide Production

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Vogg A.T.J., Neumaier B., Scheel W., Reske S.N.
Universitätsklinikum Ulm, Ulm, Germany

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Smith S.V., Kennedy S.J., Fuchs A.
ANSTO, Menai, NSW, Australia; ANSTO, Sydney, NSW, Australia

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*Korea Institute of Radiological and Medical Science, Seoul, Republic of Korea;
Dongguk University, Seoul, Republic of Korea; Kyunghee University, Yongin,
Kyeonggi-do, Republic of Korea*

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*University of Missouri, Columbia, MO, USA; Harry S. Truman Veterans'
Hospital, Columbia, MO, USA; National Institutes of Health, Bethesda, MD,
USA*

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Kovacs Z., Suzuki K.
*National Insitute of Radiological Sciences, Chiba, Japan; Japan Steel Works,
Muroran, Japan; Institute of Nuclear Research of the Hungarian Academy of
Sciences, Debrecen, Hungary*

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Donovan A.C., Forbes J., Babich J.W., Valliant J.F.
*McMaster University, Hamilton, ON, Canada; Molecular Insight
Pharmaceuticals Inc., Cambridge, MA, USA*

SATURDAY
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Session 3: Radiotherapy/Pharmacy

0900 - 1015

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RADIOPHARMACUETICALS (X = 5 or 8) FOR PROSTATE CANCER
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University of Missouri, Columbia, MO, USA; H.S. Truman VA Hospital, Columbia, MO, USA

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Paul Scherrer Institute, Villigen, Switzerland; ETH, Zurich, Switzerland

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University of Missouri-Columbia, Columbia, MO, USA; The DOW Chemical Company, Freeport, TX, USA; Altheon Pharmaceuticals, Seattle, WA, USA

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Weill Medical College of Cornell University, New York, NY, USA

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GE Healthcare, London, United Kingdom

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Wuest F., Berndt M.

Forschungszentrum Rossendorf, Dresden, Germany

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Uppsala University, Uppsala, Sweden; Uppsala Imanet AB, Uppsala, Sweden
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Uppsala University, Uppsala, Sweden; Uppsala Imanet AB, Uppsala, Sweden; Gifu University Graduate School of Medicine, Gifu, Japan
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GE Healthcare, Hammersmith Hospital, London, United Kingdom
- MICRO-FLUIDIC RADIOCHEMISTRY FOR PET AND SPECT TRACER DEVELOPMENT** **S29**
 Gillies J.M., Prenant C., Zweit J.
Paterson Institute for Cancer Research, Manchester, Greater Manchester, United Kingdom; University of Manchester, Manchester, Greater Manchester, United Kingdom

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1300 - 1445

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Liege University, Liege, Belgium
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GlaxoSmithKline Pharmaceuticals, Cambridge, United Kingdom; School of Chemistry, University of St Andrews, St Andrews, United Kingdom
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CEA/DSV, Orsay, France; CNRS/Institut Curie, Paris, France; Bionexis Pharmaceuticals, Paris, France

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Centre Cyceron, Caen, France; IRCOF - INSA de Rouen, Mont-Saint-Aignan, France
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Emory University, Atlanta, GA, USA
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Washington University School of Medicine, St. Louis, MO, USA; Washington University, St. Louis, MO, USA

SUNDAY
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0900 - 1015

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Karolinska Institute, Stockholm, Sweden; Karolinska Pharmacy, Stockholm, Sweden
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Forschungszentrum Julich GmbH, Julich, Germany

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*National Institute of Mental Health, Bethesda, MD, USA***VISUALIZATION OF β -AMYLOID DEPOSITS IN THE LIVING BRAIN OF A TRIPLE TRANSGENIC RAT MODEL OF β -AMYLOID DEPOSITION USING [¹⁸F] FDDNP-MICROPET IMAGING** S43Kepe V., Cole G.M., Liu J., Flood D.G., Trusko S.P., Satyamurthy N.,
Huang S.-C., Small G.W., Petric A., Phelps M.E., Barrio J.R.
*UCLA, Los Angeles, CA, USA; VA Medical Center, Sepulveda, CA, USA; Cephalon Inc., West Chester, PA, USA; University of Ljubljana, Ljubljana, Slovenia***MONDAY
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*McMaster University, Hamilton, ON, Canada; Syracuse University, Syracuse, NY, USA; Molecular Insight Pharmaceuticals Inc., Cambridge, MA, USA***CARBORANE DERIVATIVES FOR TARGETING ^{99m}Tc TO NEURORECEPTORS** S45Louie A.S., Sogbein O.O., Schaffer P., Valliant J.F.
McMaster University, Hamilton, ON, Canada

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University of Missouri-Columbia School of Medicine, Columbia, MO, USA; University of Missouri-Columbia, Columbia, MO, USA; Harry S. Truman Memorial Veterans' Hospital, Columbia, MO, USA; Instituto Tecnológico e Nuclear, Sacavem, Portugal

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University of Padova, Padova, Italy

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1030 - 1200

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Desbouis D., Stichelberger M., Spiwok V., Scapozza L., Schibli R.
ETH Zurich, Zurich, Switzerland; Paul Scherrer Institute, Villigen, Switzerland; University of Geneva, Geneva, Switzerland

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McMaster University, Hamilton, ON, Canada; Hamilton Health Sciences Centre, Hamilton, ON, Canada; Syracuse University, Syracuse, NY, USA; Molecular Insight Pharmaceuticals, Cambridge, MA, USA

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Affibody AB, Bromma, Sweden; Uppsala University, Uppsala, Sweden; Uppsala University Hospital, Uppsala, Sweden

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University of Missouri-Columbia, Columbia, MO, USA; Harry S. Truman Memorial Veterans' Hospital, Columbia, MO, USA

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Thomas Jefferson University, Philadelphia, PA, USA

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Herscheid J.D.M., Verbeek J., Booij J.
VU University Medical Center, Amsterdam, Netherlands; Academic Medical Center, Amsterdam, Netherlands

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1300 - 1445

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Paul Scherrer Institut, Villigen, Switzerland; Merck Eprova AG, Schaffhausen, Switzerland

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Radboud University Nijmegen Medical Center, Nijmegen, Netherlands

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Johannes-Gutenberg Universitaet Mainz, Mainz, Germany; University of Texas Southwestern Medical Center, Dallas, TX, USA; University of Brussels, Brussels, Belgium

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The University of Michigan School of Medicine, Ann Arbor, MI, USA; The University of Michigan College of Pharmacy, Ann Arbor, MI, USA

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Vavere A.L., Lewis J.S.
Washington University School of Medicine, St. Louis, MO, USA

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Technische Universitaet Muenchen, Munich, Germany; Technische Universitaet Muenchen, Garching, Germany

TUESDAY
6/28/2005

Session 12: Miscellaneous

0900 - 1015

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Logan J., Fowler J.S.
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University of Missouri; University of Missouri, Columbia, MO, USA; Washington University, St. Louis, MO, USA

THE HUMAN NOREPINEPHRINE TRANSPORTER (hNET) IN COMBINATION WITH [¹¹C]m-HYDROXYEPHEDRINE ([¹¹C]mHED) AS REPORTER GENE/PROBE FOR GENE THERAPY S63

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University Medical Center Groningen, Groningen, Netherlands; University of Groningen, Groningen, Netherlands

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University of Ulsan College of Medicine, Seoul, Korea; Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea; Korea Institute of Science and Technology, Seoul, Korea; School of Medicine, Kyungpook National University, Daegu, Korea

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Liu G., Dou S., He J., Liu X., Rusckowski M., Hnatowich D.J.

University of Massachusetts Medical School, Worcester, MA, USA

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van Waarde A., Elsinga P.H.

University Medical Center Groningen, Groningen, Netherlands

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Miao Y., Gallazzi F., Quinn T.P.

University of Missouri-Columbia, Columbia, MO, USA

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SUNY Buffalo, Buffalo, NY, USA

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DeGrado T.R., Mock B.H., Corbin L., Hutchins G.D.

Indiana University School of Medicine, Indianapolis, IN, USA

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Technical University of Munich, Munich, Germany
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National Institute of Mental Health, NIH, Bethesda, MD, USA
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National Institute of Mental Health, NIH, Bethesda, MD, USA; Warren Grant Magnuson Clinical Center, NIH, Bethesda, MD, USA; University of Groningen, Groningen, Netherlands
- P01-04** **5-HT_{1A} RECEPTOR IMAGING WITH [^{11}C](S)-RWAY IN RAT BRAIN SHOWS A STRIKING DIFFERENCE IN PGPEFFECT COMPARED TO IMAGING IN MONKEY** **S73**
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NIMH, NIH, Bethesda, MD, USA; University of Groningen, Groningen, Netherlands, Warron G Magnuson Clinical Center, NIH, Bethesda, MD, USA
- P01-05** **EVALUATION OF [^{18}F]FPWAY AND [^{18}F]FBWAY, 5-HT_{1A} RECEPTOR PET LIGANDS, FOR SENSITIVITY TO ENDOGENOUS 5-HT IN RAT** **S74**
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NIBIB, Bethesda, MD, USA; NIDA, Baltimore, MD, USA; National Institutes of Health, Bethesda, MD, USA
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Defraiteur C., Lemaire C., Luxen A., Plenevaux A.
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