

CURRICULUM VITAE

NAME: GODFREY D. PEARLSON, M.D.
DATE OF BIRTH: January 30, 1950
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OFFICES:

1. Olin Neuropsychiatry Research Center
IOL, 200 Retreat Avenue, Whitehall Building
Hartford, CT 06106
2. Clinical Neuroscience Research Unit
Abraham Ribicoff Research Facilities
Connecticut Mental Health Center
34 Park Street
New Haven, CT 06519

EDUCATION

1969-74 Newcastle Upon Tyne University Medical School, England, M.B., B.S. Medicine: (equivalent to U.S. MD degree)
1976 Columbia University, Graduate School of Arts and Sciences, New York. M.A. (Philosophy of Science)

CAREER

2002-Present Professor, (fulltime, tenured) Department of Psychiatry, Yale University School of Medicine, New Haven, CT.
2002-Present Founding Director, Olin Neuropsychiatry Research Center, Institute of Living, Hartford, CT.
1993-Present Professor, full-time faculty, Department of Psychiatry and Behavioral Sciences, The Johns Hopkins University School of Medicine, Baltimore, Maryland.
Joint Appointment, Professor, Department of Mental Hygiene, Johns Hopkins University School of Public Health, Baltimore, Maryland.
1991-2002 Founding Director, Division of Psychiatry Neuro-Imaging, Department of Psychiatry, The Johns Hopkins University School of Medicine, Baltimore, Maryland.
1987-1992 Associate Professor, full-time faculty, Department of Psychiatry and Behavioral Sciences, The Johns Hopkins University School of Medicine, Baltimore, Maryland.
1987-1992 Joint Appointment, Associate Professor, Department of Mental Hygiene, Johns Hopkins University School of Public Health, Baltimore, Maryland.
1981-87 Assistant Professor, Full-time faculty, Department of Psychiatry and Behavioral Sciences, The Johns Hopkins University School of Medicine, Baltimore, Maryland.
1980-81 Postdoctoral Instructor in Psychiatry. Laboratory of Dr. Robert G. Robinson, The Johns Hopkins University School of Medicine. Baltimore, Maryland.
1979-2002 Psychiatrist, Active Staff, Department of Psychiatry and Behavioral Sciences, The Johns Hopkins University School of Medicine, Baltimore, Maryland.
2002-current Psychiatrist, Part-Time Staff, Department of Psychiatry and Behavioral Sciences, The Johns Hopkins University School of Medicine, Baltimore, Maryland.
1978-79 Chief Resident in Psychiatry, The Johns Hopkins Hospital, Baltimore, Maryland.
1976-79 Resident in Psychiatry, Department of Psychiatry and Behavioral Sciences, The Johns Hopkins University School of Medicine.

1974-75

Intern in General Internal Medicine, Newcastle Royal Victoria Infirmary, and in General Surgery, Newcastle General Hospital, England.

CERTIFICATIONS

American Board of Neurology and Psychiatry (in psychiatry), 1980 (#21511)

Medical License State of Connecticut, 040622 (2002)

Medical License State of Maryland, D21805 (1977)

E.C.F.M.G. (#221-420-3)

F.L.E.X. (Maryland State Board of Medical Examiners) (#D-21805)

PROFESSIONAL HONORS AND AWARDS

1973 Distinction, Medical Finals Part I, University of Newcastle Upon Tyne, England.

1974 Dickinson Scholarship (Surgery), University of Newcastle Upon Tyne, England.

1974 Wilfred Kingdon Prize (Psychiatry), University of Newcastle Upon Tyne, England.

1986 Lundbeck Lecturer, University of Newcastle Upon Tyne, England

1987 Mental Health Sciences Affiliations, Principal Lecturer. Hahnemann University, Pennsylvania.

1987 Fellowship, American Psychopathological Association.

1989 Distinguished Fellow, American Psychiatric Association.

1990 Annual Lecture, American Academy of Clinical Psychiatrists.

1991 Invited Lectures - Annual NIMH CRC Directors Meeting; Royal College of Psychiatrists, and Institute of Psychiatry, U.K.

1993 Invited Authorship and Lecture - American Psychiatric Association 12th Annual Review of Psychiatry, 1993. "Psychiatric Applications of MRI".

1993 Membership, American College of Neuropsychopharmacology

1993 Invited Lectures - Royal College of Psychiatrists, Institute of Psychiatry, U.K.

1996 Ziskin-Somerfeld Award, Society of Biological Psychiatry, U.S.

1997 Martell Gold Medal, UK

1999 Fellowship, ACNP

2000 Michael Visiting Professorship, Weizmann Institute, Rehovot, Israel

2000 NARSAD Distinguished Investigator Award

2001 Bernard Sisskin Annual Neurology Lecture, Lenox Hill/NYU

2002 Mysell Lecture, Harvard University

2003 ISI – Most Highly Cited Publications,

2003-5 Society of Biological Psychiatry- Scientific Program Ctee

2004 Program Chair, ECNS-ISNIP joint meeting, Irvine CA
Frontiers of Science Lecturer, 2004 Annual APA Meeting

2005 MERIT award, NIMH

2006 NARSAD Scientific Council, ACNP Program Ctee

DEPARTMENTAL, MEDICAL SCHOOL AND UNIVERSITY COMMITTEES

YALE UNIVERSITY COMMITTEES

2002-present Senior Faculty/Promotions Committee
2003- present Donaghue/PRIME Research Ctee

HARTFORD HOSPITAL COMMITTEES

2002-present Research Committee
2002-present Neuroscience Services Committee
2002-present Psychiatry Research Committee
2002-present Schizophrenia Research Committee

OTHER PROFESSIONAL ACTIVITIES

2003- present Donaghue Foundation Scientific Research Review Panel

NATIONAL REVIEW COMMITTEES

1994-1997 Review Panel: Scottish Rite Schizophrenia Research Program
1997-present Ad Hoc scientific Review APA Annual Meeting
1991-94 Reviewer, National Institute of Mental Health, Clinical Neurosciences
Review Committee (formerly Clinical Biology Subcommittee, PCB-2)
1989-present Ad-hoc reviewer, National Institute on Drug Abuse.
1988 Advisor: Work group on Psychotic Disorders for DSM IV - Late life onset Schizophrenia.
Advisor: DSM -IV work group on schizophrenia and related psychoses.
1986-1998 American Medical Association-Diagnostic and Therapeutic Technology Assessment Program
of the Council on Scientific Affairs.
1985-present Frequent ad-hoc reviewer, National Institute of Mental Health, Special Review Committees
(PCB-2, TDA-3) NIMH/NIAAA

INTERNATIONAL SCIENTIFIC REVIEW

1995-present Canadian Medical Research Council
1995-present International Human Frontier Science Program (HFSP)
1995-present Swiss National Science Foundation
1993-present UK - Medical Research Council ad Hoc Scientific Review
1993-present Wellcome Trust (UK)

ADVISORY COMMITTEES

1997-2002 NARSAD/Stanley Neurobiology review panel at JHU.
1988-2002 Depression and Related Disorders Association (DRADA), Scientific Advisory Committee.

SOCIETY MEMBERSHIP

American Association for the Advancement of Science
American College of Neuropsychopharmacology. (Fellow)
American Federation for Aging Research
American Neuropsychiatric Association
American Psychiatric Association (Fellow)
American Psychopathological Association (Fellow)
Association for Research in Nervous and Mental Disease
Eastern Psychological Association
International Brain Research Organization
International Society for Neuroimaging in Psychiatry
Johns Hopkins Medical and Surgical Association
Society for Neuroscience
Society of Biological Psychiatry

MISCELLANEOUS

International Congress on Schizophrenia Research - Program Consultant 1996.
University of Pittsburgh Medical Center – Interventional Mental Health CRS for Study of Late - Life Mood Disorders:
External Advisory Board 1995 - present
AAGP, Alzheimer’s Association, American Geriatrics Soc. Expert Advisory Panel- Use of Neuroimaging in early
diagnosis of Alzheimer’s disease, (see report in JAMA, 278: 1363-1371, 1997).

EDITORIAL BOARD

Schizophrenia Bulletin
Brain Imaging and Behavior
Psychiatry Research: Neuro-imaging.
J. Adv. Schizophrenia and Brain Research

REVIEWER - JOURNALS

Archives of General Psychiatry	Journal of Abnormal Psychology
Psychiatry Research	American Journal of Psychiatry
Biological Psychiatry	Journal of Nervous & Mental Disease
Schizophrenia Bulletin	Psychosomatics
Archives of Neurology	New England Journal of Medicine
Science	PNAS

MENTORSHIP

1. RESIDENT, RESEARCH ELECTIVE AND POSTDOCTORAL FELLOWSHIP SUPERVISOR (Representative Selection):

Dr. Christopher Ross, 1988. Dopamine D2 receptor PET scans in schizophrenia vs. bipolar illness.

CURRENT STATUS

Professor, Psychiatry, Neuroscience, Johns Hopkins Univ., Director, Huntington's Disease Project, Neuroscience research, **NIH awardee. Pew Scholar.**

Dr. Jeffrey Moore, 1986-7. Negative symptoms in late-life onset schizophrenic patients.

Academic psychiatrist, Ohio.

*Dr. Alistair Burns, 1986. Centrum semiovale white matter density in late life schizophrenia, AD, normal aging.

Professor of Geriatric Psychiatry, Manchester University, U.K., formerly Wellcome Lectureship, Dr. Raymond Levy, Institute of Psychiatry (Geriatrics) London, U.K. 1989 IPA Psycho-geriatrics Research Award.

*Dr. Martin Deahl, 1987. Cerebral atrophy measures in schizophrenia and affective disorder.

Consultant Psychiatrist, Researcher, Denis Hill Unit, Bethlem Hosp., London, U.K.

Dr. Richard Powers, 1987. MRI atlas construction.

Deputy Chief, Psychogeriatrics, University of Alabama, Birmingham. **NIH awardee.**

*Dr. Jeremy Broadhead, 1987. Temporal ventricular horn assessment in schizophrenics versus controls.

Consultant psychiatrist, U.K. Research in neuropathology of amygdala.

Dr. Patrick Barta, 1988. Computer-based segmentation applied to MRI images in schizophrenia, MRI display software.

Associate Professor, Johns Hopkins Univ. **NIH FIRST, R01's, NARSAD, Scottish Rite awardee.**

Dr. Gordon Harris, 1988. Computer reconstruction and registration of SPECT image sets (Ph.D. thesis advisor)

Assoc. Professor, Radiology, Harvard University/MGH 3-D Imaging Lab. **NIH FIRST Awardee.**

Dr. Elizabeth Aylward, 1989. Quantitative brain atrophy measures on MRI and CT. Measurement of suprasellar cistern.

Professor, Radiology, U. Washington Seattle, Quantitative MRI research **NIH Awardee, HDSA Awardee**

Dr. Laura Marsh, 1990. MRI in schizophrenia: Replication of post-mortem studies.

Associate Professor, Johns Hopkins University. Parkinson's disease research. Research Fellowship, Dr. Daniel Weinberger, NIH Intramural. MRI research. Young Investigator Award, Third Internl. Congress on Schizophrenia Research, 1991. NIH Awardee.

*Dr. Raj Persaud, 1990. MRI in schizophrenia: Basal ganglia.

Professor, Maudsley Hospital, London, U.K. MRI research in affective disorder. Author

Dr. Frederick Schaerf 1990. Brain imaging in AIDS dementia

Private practice, Ft. Myers, Fla.

Dr. Steven Machlin, 1989. MRI and SPECT changes in patients with obsessive-compulsive disorder.

Private practice, FL.

*Dr. Peter Woodruff, 1991. MRI in schizophrenia: Corpus callosum.

Professor and Head of Psychiatry Neuroimaging, Sheffield U., UK
Prev. Faculty, Maudsley Hospital, London, U.K.
Brain Imaging Functional MRI Research, **Wellcome Awardee, Fulbright Awardee**

RESIDENT, RESEARCH ELECTIVE AND POSTDOCTORAL FELLOWSHIP SUPERVISOR Cont'd.

- Dr. Benjamin Greenberg, 1991, MRI of basal ganglia in AIDS dementia. Associate Professor, Brown University Prev., prev. Research Faculty, Lab. of Dr. D. Murphy, NIMH. Society of Biological Psychiatry, Dista Fellowship, 1991.
- *Dr. Rajiv Menon, 1991. MRI of superior temporal gyrus in schizophrenia. Senior Faculty, Psychogeriatrics, Chelsea, Maudsley Hospital, London, U.K.
- Dr. J. Thomas Noga, 1991. MRI of cingulate gyrus in schizophrenia. Faculty, Emory University Atlanta, GA. Prev. fellow, NIMH/St. Eliz., Washington, D.C. (Lab of Dr. D. Weinberger and Dr. Joel Kleinman).
- *Dr. Iain McGilchrist, 1992. Parietal cortical reconstruction from 3-D MRI. Faculty, Maudsley Hospital, London, U.K. Brain Imaging Research.
- Dr. Richard Petty, 1992. Planum temporale reconstruction from 3-D MRI. Faculty, University of Pennsylvania, Lab of Dr. Raquel Gur.
- Dr. Thomas Schlaepfer, 1991-1992 and 1993-1996. PET in cocaine abusers, SPECT in opiate abuse. Professor and Chair Psychiatry, Vice-Dean U. Bonn, Germany. Awardee - **Swiss Nat. Sci. Foundation Awardee.**
- * Dr. Sophia Frangou, 1994. Superior temporal gyrus in schizophrenia and Down syndrome. Research/Clinical Faculty, Institute of Psychiatry, London, U.K., **Awardee - Wellcome Foundation.**
- * Dr. Tonmoy Sharma, 1994-1995. Cortical grey matter in schizophrenics and their families. Director, Cognitive Psychopharm. Lab. Previously Faculty, Institute of Psychiatry, London, U.K., **MRC Awardee**
- Dr. Melissa Frederikse, 1995-1997. IPL in schizophrenia. Assistant Professor/UMDNJ, Quantitative MRI research
- Dr. Nancy Honeycutt, 1995-1996. Amygdala and hippocampus in schizophrenia. Assistant Professor, Johns Hopkins Univ., Quantitative MRI research. **NIH Awardee**
- * Dr. Andrej Marusic, 1997. Statistical parametric mapping applied to SPECT rCBF in early AD. Director, National Psychiatric Res. Inst. Republic of Slovenia
- Dr. Paul Rivkin, 1997-1998. fMRI in presymptomatic AD. Assistant Professor, Johns Hopkins University, Department of Psychiatry Neuroimaging. fMRI research **NIH Awardee**
- *Dr. Paula Dazzan, 1997-1998. Cortical surface area in schizophrenia. Faculty, Institute of Psychiatry, London, U.K
- Dr. Sergio Nicastrì 1998-99 rCBF in cocaine abusers. Psychiatry Faculty, Sao Paolo, Brazil Humphrey Fellow
- Dr. Laura Amodei, 2000-2001. Diffusion tensor imaging of language circuits in schizophrenia. Radiology resident. Johns Hopkins U.
- Dr. Vince Calhoun Application of Independent Component analysis to virtual driving/fMRI (Ph.D. thesis advisor) Associate Professor, U. New Mexico. **NIMH, NSF multiple RO1 awardee. ISNIP junior investigator award 2004. ACNP travel awardee, member 2006.**
- Dr. Sarah Reading, 2001-2002. fMRI of attentional networks in schizophrenia. Asst. Prof, Johns Hopkins Dept. Psychiatry **NIMH K Awardee**

-RESIDENT, RESEARCH ELECTIVE AND POSTDOCTORAL FELLOWSHIP SUPERVISOR

Cont'd.

***Dr. Richard Kanaan**, 2001-2002. fMRI of verbal binding in schizophrenia

Faculty, Dept of Psychiatry, London, UK
DTI research

Dr. Jin-Suh Kim, 2001-2002. Diffusion tensor imaging

Asst. Prof Radiology, U. Iowa

Dr. Michal Assaf, 2001-2003. fMRI in thought disorder

Sr. Scientist ONRC, Asst Clin Professor, Yale U. Dept Psychiatry. NAAR, Donaghue Foundation Awardee
NIMH R21 Awardee

Dr. Kristen McKiernan, 2002- Task-induced deactivation in fMRI

Sr. Scientist ONRC, Asst Clin Professor, Yale U. Dept Psychiatry **NIA R21 Awardee**

Dr. Michael Stevens, 2004- fMRI of impulsivity, (K Award primary mentor)

Sr. Scientist ONRC, Asst Clin Professor, Yale U. Dept Psychiatry. **NIMH K Awardee, RO1 Awardee**

Dr. Matthew Kurtz 2004- fMRI of cognitive rehabilitation in schizophrenia, (K Award advisor)

Sr. Scientist ONRC, Asst Clin Professor, Yale U. Dept Psychiatry. **NIMH K Awardee**

** Visiting fellows, Maudlsey Hospital, London, U.K.*

RESEARCH PROJECT SUPERVISION:

Loyola College Psychology MA Program

- 1988 D. Houlihan: Longitudinal follow-up of 350 chronic pain patients and controls.
1986 M. Haden: Electrodermal non-responding and VBR in schizophrenia.
1984-85 N.J. Yatron: Cognitive distortion and depressed mood in chronic pain.
1983-84 P.J. Moberg: Olfactory memory in dementia.
1982-83 D.J. Garbacz: VBR-clinical correlates in bipolar disorder.

Howard University Neuropsychology Ph.D. Program

- 1983-85 S.C. Levin: Structural CT change in bipolar disorder assessed by image processing. Relationship to cognitive abnormalities. Thesis advisor.

University of Maryland, Baltimore County Ph.D. Program

- 2000 V.D. Calhoun: Independent Component Analysis of fMRI applied to Complex Tasks.

FUNDING

Ongoing Research Support – Pearlson, Godfrey D.

2 RO1 MH43775-14 **Pearlson (PI)** 03/01/05—02/28/09 15%
NIMH \$250,000/year

Quantitative Neuroimaging in Psychosis

Investigates circuit-wide abnormalities in schizophrenia using functional and structural brain MRI in schizophrenia and healthy controls. Competitively Renewed x2.

Role: PI **Converted to 10-year NIMH MERIT Award, 2005. Competitive supplement awarded 2006.**

1 RO1 AA015615-01 **Pearlson (PI)** 3/1/05 – 2/28/09 15%
NIAAA \$250,000/year

fMRI Imaging of Alcohol-Intoxicated Driving

Uses a psycho-pharmacologic repeated measures fMRI design to identify brain circuits used in driving that are most affected by alcohol in a dose-dependent manner and are related to intoxicated driving behaviors.

Role: PI

1 R01 DA020709-01 **Pearlson (PI)** 08/01/06—02/28/10 25%
NIDA, \$345,800/year

Reward, Impulsivity and Cocaine Addiction; fMRI Studies

Uses 3 fMRI tasks to assess risk taking and reward, in combination with out of scanner assessment of excitement-seeking, risk-taking and delay-discounting in current and former cocaine abusers.

Role: PI

1 RO1 MH074797 **Pearlson (PI)** 04/01/07—03/31/11 20%
NIMH, \$267,000/year

Schizophrenia Biomarkers: Memory, Genes and fMRI

Examines effects of 4 putative schizophrenia risk genes in 3 distinct types of memory tasks, (looking at gray matter distribution, task performance, and task-related fMRI activation), in healthy controls, schizophrenia patients and their unaffected siblings.

Role: PI

1 R01 MH077945 **Pearlson (PI)** 09/27/07—08/31/11 25%
NIMH, \$600,000/year

Bipolar & Schizophrenia Consortium for Parsing Intermediate Phenotypes

Multi-Site collaborative RO1's to examine multiple endophenotypes (MRI, ERP, sensorimotor, cognitive, physiologic) in schizophrenia and psychotic bipolar subjects and their first-degree relatives plus healthy controls (total n >3000). Will employ WGA for genotyping

1 P50-AA12870-05, Krystal (PI) 6/1/06-11/30/11
NIAAA \$130,000/year.

Center for Translational Research in Alcoholism: Project 4: fMRI of reward Anticipation in Family History Positive vs Negative Subjects.

The project will examine fMRI activation patterns in reward tasks that may be vulnerability markers for alcoholism risk. The overall PO1 examines neurotransmitter, genetic, imaging and electrophysiologic alcoholism vulnerability markers.

Role: **Project PI** within Dr. Krystal's overall P01 structure.

1 R01 EB 000840-01 Calhoun (PI) 4/1/03-4/1/11 5%
NIBIB \$250,000

Multi-group Semi-blind ICA of fMRI

To develop, evaluate the performance of, and optimize semi-blind independent component analysis methods for the analysis of multi-group (or multi-paradigm) functional magnetic resonance imaging data and to use these methods to study data collected from patients with schizophrenia and healthy controls performing an auditory oddball task.

Role: Co-Investigator

PO1NS16375 Pettegrew (PI) 07/01/02—06/30/05 5%
NIMH \$342,793

Human 31P-1H MRSI and MRI Brain Studies of Nicotine

Examines effects of smoking on brain structure/metabolites using spectroscopic methods.

Role: Co-Investigator

1 R01 MH0705539-01 Kiehl (PI) 12/1/04-11/30/08 3%

NIMH \$250,000

ERP and fMRI of emotion and cognition in psychopathy

To test the paralimbic dysfunction hypothesis of psychopathy in community samples using event-related potentials and functional magnetic resonance imaging.

Role: Co-Investigator

K23 MH070036-01 Stevens (PI) 8/01/04 - 7/01/09 0%

NIMH \$142,250

Neuroimaging Cognition in Adolescent Behavior Disorders

A 5-year Career Development Award to provide the PI skills for an independent clinical neuroscience research career investigating how brain function relates to diagnoses associated with disruptive behavior.

Role: Primary Mentor

1R43MH75481-O1

Ruano (PI)

7/1/05-6/30/07

SBIR Grant

Physiogenomic Arrays for Clinical Neuropsychiatry

Uses gene arrays to look for SNP-related influences on brain structure and function in neuropsychiatric disorders.

Role: Co-Investigator

Hartford Hospital Research Grant. Tolin (PI) 6/1/04 - 5/31/05 4%

Augmenting Exposure Therapy with an NMDA Agonist \$62,706

The aim of this randomized controlled trial is to determine whether the NMDA agonist d-cycloserine augments exposure therapy to treat panic attacks.

COMPLETED GRANTS:

PI = Pearlson, GD. Late Onset Schizophrenia and Allied States – PET and MRI. NIH/NIMH, RO1 MH43326, \$160,972, 04/01/89-03/31/01. **Competitively Renewed x1.**

PI = Pearlson, GD. Brain Imaging in Early Alzheimer's Disease. Alzheimer's Association/ Investigator Initiated Research Grant, \$131,916, 7/1/93-6/30/96, 5% Effort.

PI = Pearlson, GD. Alzheimer's Disease in Down Syndrome. NIA; RO1 NS28115, \$508,022, 01/01/92-12/31/95, 10% Effort.

PI = Pearlson, GD. Cocaine PET Effects on Brain Metabolism and DA D2 Receptors. NIDA, 1 RO1-DA-05317. \$1,357,784. 9/1/87-8/30/93, 25% Effort.

PI = Pearlson, GD. Graphics Mini-Supercomputer. Shared Equipment Grant. USPHS/DRR (NCRR), 1-S10-RR06369. \$158,000 (one time award). 2/5/91-2/4/92.

PI = Pearlson, GD. ADAMHA Small Instrumentation Program. \$59,364, one time award. 9/1/89-8/31/90.

PI = Pearlson, GD. Alzheimer's Disease and Related Disorders Association. PRG-87-112. \$20,000. MRI and SPECT scanning of parietal lobe, hippocampus and amygdala in Alzheimer's disease. 11/1/87-10/31/88. \$20,000. \$ 320,

PI = Pearlson, GD. Aging, Brain Imaging and Cognition NIH/NIMH RO1 MH60504-04; 07/01/95-06/30/04 Total, all years \$3.1 million. **Competitively Renewed x1.**

Pearlson = PI 5 RO1 *Schizophrenia: Sex Differences in Brain Abnormalities*

MH52886-06) 12/1/99-11/30/06 20% (no-cost extension)

NIMH \$273,111/year

BIBLIOGRAPHY: PEER-REVIEWED ORIGINAL ARTICLES

DTI/ fMRI Methods Development

1. Mori S, Kaufmann W, **Pearlson GD**, Crain BJ, Stieltjes B, Solaiyappan M, van Zijl PCM. In vivo visualization of human neural pathways by MRI. Annals of Neurology, 47: 412-4, 2000.
2. Calhoun V, Adali T, Kraut M, **Pearlson GD**. A weighted-least squares algorithm for estimation and visualization of relative latencies in event-related functional MRI. Magnetic Resonance in Medicine, 44: 947-954, 2000.
3. Calhoun VD Adali T, Kraut M, **Pearlson GD**. Spatial and temporal independent component analysis of functional MRI data containing a pair of task-related waveforms. Human Brain Mapping, 13: 43-53, 2001.
4. Calhoun VD, Adali T, **Pearlson GD**, and Pekar JJ. A method for making group inferences from functional MRI data using independent component analysis Human Brain Mapping, 14: 140-451, 2001.
5. Calhoun VD, Adali T, McGinty VB, Pekar JJ, Watson TD, and **Pearlson GD**. fMRI activation in a visual-perception task: Network of areas detected using the general linear model and independent components analysis Neuroimage, 14: 1080-1088, 2001.
6. Stieltjes B, Kaufmann WE, van Zijl PC, Fredericksen K, **Pearlson GD**, Solaiyappan M, Mori S. Diffusion tensor imaging and axonal tracking in the human brainstem. Neuroimage, 14: 723-735, 2001.
7. Calhoun VD, Pekar JJ, McGinty VB, Adali T, Watson TD, **Pearlson GD**. Different activation dynamics in multiple neural systems during simulated driving. Hum Brain Mapping 16(3):158-67, 2002.
8. Calhoun VD, Adali T, **Pearlson GD**, van Zijl PC, Pekar JJ. Independent component analysis of fMRI data in the complex domain. Magn Reson Med.; 48(1):180-92, 2002.
9. Mori S, Kaufmann WE, Davatzikos C, Stieltjes B, Amodei L, Fredericksen K, **Pearlson GD**, Melhem ER, Solaiyappan M, Raymond GV, Moser HW, van Zijl PC. Imaging cortical association tracts in the human brain using diffusion-tensor-based axonal tracking. Magn Reson Med.; 47(2):215-23, 2002.
10. Calhoun VD, Adali T, Pekar JJ, **Pearlson GD**. Latency (in)sensitive ICA. Group independent component analysis of fMRI data in the temporal frequency domain. Neuroimage. Nov;20(3):1661-9, 2003.
11. Calhoun VD, Stevens MC, **Pearlson GD**, Kiehl KA. fMRI analysis with the general linear model: removal of latency-induced amplitude bias by incorporation of hemodynamic derivative terms. Neuroimage. May;22(1):252-7, 2004.
12. Hong B, **Pearlson GD**, Calhoun VD. Source density-driven independent component analysis approach for fMRI data. Human Brain Mapping. 2005.
13. Kiehl KA, Stevens MC, Laurens KR, **Pearlson GD**, Calhoun VD, Liddle PF. An adaptive reflexive processing model of neurocognitive function: supporting evidence from a large scale (n = 100) fMRI study of an auditory oddball task. Neuroimage. 15;25(3):899-915, 2005
14. Calhoun VD, Adali T, **Pearlson GD**, Kiehl KA. Neuronal chronometry of target detection: Fusion of hemodynamic and event-related potential data. Neuroimage. 2005.
15. Astur RS, St Germain SA, Baker EK, Calhoun V, **Pearlson GD**, Constable RT. fMRI hippocampal activity during a virtual radial arm maze. Appl Psychophysiol Biofeedback, 30(3):307-17, 2005.
16. Jiang H, van Zijl PC, Kim J, **Pearlson GD**, Mori S. DTI-Studio: resource program for diffusion tensor computation and fiber bundle tracking. Comput Methods Programs Biomed. 2006;81(2):106-16.
17. **Pearlson GD**, Calhoun V. Structural and functional magnetic resonance imaging in psychiatric disorders. Can J Psychiatry. 2007 Mar;52(3):158-66.
18. Stevens MC, Kiehl KA, **Pearlson GD**, Calhoun VD. Functional neural circuits for mental timekeeping. Hum Brain Mapp. 2007 May;28(5):394-408.
19. Assaf M, Calhoun VD, Kuzu CH, Kraut MA, Rivkin PR, Hart J Jr, **Pearlson GD**. Neural correlates of the object-recall process in semantic memory. Psychiatry Res. 2006 Oct 30;147(2-3):115-26.
20. Stevens MC, Kiehl KA, **Pearlson GD**, Calhoun VD. Functional neural networks underlying response inhibition in adolescents and adults. Behav Brain Res. 2007 Jul 19;181(1):12-22.

SCHIZOPHRENIA

1. Tune LE, Creese I, Coyle JT, **Pearlson GD**, Snyder SH. Low neuroleptic serum levels in patients receiving fluphenazine decanoate. American Journal of Psychiatry, 137: 80-82, 1980.
2. **Pearlson GD**, Veroff AE, McHugh PR. The use of computed tomography in psychiatry: Recent applications to schizophrenia, manic-depressive illness and dementia syndromes. Johns Hopkins Medical Journal, 149: 194-202, 1981.
3. **Pearlson GD**, Garbacz DJ, Moberg P, Ahn HS, DePaulo JR. Symptomatic, familial, perinatal and social correlates of CT changes in schizophrenics and bipolars. Journal Nervous and Mental Disorders, 173: 42-50, 1985.
4. Wong DF, Wagner HN, Jr., Tune LE, Dannals RF, **Pearlson GD**. Positron emission tomography reveals elevated D2 dopamine receptors in drug-naive schizophrenics. Science, 239:1473-1624, 1986.
5. Wong DF, Gjedde J, Wagner HN, Dannals RF, Links JM, Tune LE, **Pearlson GD**. Elevated D2 dopamine receptors in drug naive schizophrenics. (Ltr. to Ed.) Science, 241: 790-791, 1988.
6. **Pearlson GD**, Kim WS, Kubos KL, Jayaram G, Heyler G, Chase, GA, Goldfinger AD, Tune LE. VBR, CT density and brain area in 50 schizophrenics. Archives of General Psychiatry, 46: 690-697, 1989.
7. Barta PE, **Pearlson GD**, Powers RE, Tune LE. Reduced superior temporal gyral volume on MRI in schizophrenia; Relationship to hallucinations. American Journal of Psychiatry, 147: 1457-1462, 1990.
8. **Pearlson GD**, Barta PE, Schraml FV, Chase GA, Tune LE. (Ltr. to ed.) Brain size in schizophrenia. Archives of General Psychiatry, 48: 179-180, 1991.
9. **Pearlson GD**. PET scans in schizophrenia: What have we learned? Annals of Clinical Psychiatry, 3: 97-101, 1991.
10. Strauss ME, Novakovic T, Tien AY, Bylsma F, **Pearlson GD**. Disengagement of attention in schizophrenia. Psychiatry Research, 37: 139-146, 1991.
11. Schwartz J, Aylward E, Barta PE, Tune LE, **Pearlson GD**. Increased sylvian fissure size in schizophrenia using the CERAD MRI rating protocol. American J Psychiatry, 149: 1195-1198, 1992.
12. Woodruff P, **Pearlson GD**, Barta PE, Chilcoat H. Corpus callosum MRI measures in schizophrenia. Psychological Medicine, 23: 45-56, 1993.
13. Aylward EH, **Pearlson GD**, Rabins PV. Differences in early and late onset schizophrenia (letter to ed.). American Journal of Psychiatry, 150: 846-847, 1993.
14. Gur R and **Pearlson GD**. Neuroimaging in schizophrenia. Schizophrenia Bulletin, Special Issue, Schizophrenia, 19: 337-354, 1993.
15. Tune LE, Wong DF, **Pearlson GD**, Strauss ME, Young T, Shaya EK, Dannals RF, Wilson AA, Ravert HT, Sapp J, Cooper T, Chase GA, Wagner HN Jr. Dopamine D2 receptor density estimates in schizophrenia: A positron emission tomography study with 11C-N-Methylspiperone. Psychiatry Research, 49: 219-237, 1993.
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