

Carol Weingarten, M.D., Ph.D.

(updated 12/11)

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Education:

1971 - 1975	B.S.	Marquette University (Chemistry)
1975 - 1982	M.D.	Medical College of Wisconsin
1977 - 1982	Ph.D.	Medical College of Wisconsin (Biochemistry)
1977 - 1978	no degree	University of Wisconsin Milwaukee (Chemistry and physics)
1999 - 1999	no degree	Emory University (Sanskrit)

Postgraduate Training and Fellowship Appointments:

1982 - 1983	Assistant Instructor, Department of Radiology University of Pennsylvania School of Medicine, Philadelphia, PA
1983 - 1986	Assistant Instructor, Department of Psychiatry University of Pennsylvania School of Medicine, Philadelphia, PA
2001 - 2002	Research Associate, Department of Psychiatry University of Pennsylvania School of Medicine, Philadelphia, PA

Faculty Appointments:

1986 - 1988	Clinical Associate, Department of Psychiatry University of Pennsylvania School of Medicine, Philadelphia, PA
1988 - 1994	Clinical Assistant Professor, Department of Psychiatry University of Pennsylvania School of Medicine, Philadelphia, PA
1994 - 2001	Assistant Professor of Radiology Assistant Professor of Psychiatry and Behavioral Sciences Emory University School of Medicine, Atlanta, GA
2002 - 2011	Adjunct Assistant Professor, Department of Psychiatry University of Pennsylvania School of Medicine, Philadelphia, PA
2011 - present	Adjunct Assistant Professor, Department of Psychiatry and Behavioral Sciences, Duke University School of Medicine, Durham, NC

Awards, Honors and Membership in Honorary Societies:

1973	Eta Sigma Phi (National Honorary Classical Society)
1978	Young Biophysicist Fellowship (International Biophysics Congress)
1982	Quick Award

Memberships in Professional & Scientific Societies and Other Professional Activities: (Include offices held.)

International:

International Society for Magnetic Resonance in Medicine (Member, 1995 - 2001)
Japan Psychoanalytic Association (Member, 1990 - 91)
Society for Psychotherapy Research (Member, 1987 - 93; 1999 - present)

National:

American Psychiatric Association (Member, 1986 - 93)

Editorial Positions: None.

Academic and Institutional Committees:

1987 - 90 Member, Institutional Review Board, Wistar Institute, University of Pennsylvania

Major Academic and Clinical Teaching Responsibilities: None

Lectures by Invitation (2007 – present):

September 18, 2007. Attachment theory. Guest lecturer, Abnormal Psychology, University of Pennsylvania
January 8, 2009. Autobiographical memory of interpersonal episodes: An fMRI study. Trondheim fMRI group seminar, Norwegian University of Science and Technology
February 5, 2009. Autobiographical memory of relationship episodes: An fMRI study. Center for the Study of Human Cognition, forskningsseminaret i kognitiv psykologi og nevropsykologi, University of Oslo
March 20, 2009. Neural substrates of psychotherapy. Institute of Psychiatry, University of Oslo
March 15, 2011 – Unipolar depression. Guest lecturer, Abnormal Psychology, University of Pennsylvania

Organizing Roles in Scientific Meetings: Co-organizer. Religion in Evolutionary Perspective: Session of the American Anthropological Association 107th Annual Meeting, November 2008, San Francisco

Bibliography (as Popp or Weingarten):

Research Publications, peer reviewed (print or other media):

1. Popp, C. A., Hyde, J. S.: Effects of oxygen on EPR spectra of nitroxide spin-label probes of model membranes, *Journal of Magnetic Resonance* 43:249, 1981
2. Popp, C.A., Hyde, J.S.: ELDOR and saturation recovery studies of nitroxide electron and nuclear spin-lattice relaxation times and Heisenberg exchange rates: lateral diffusion in dimyristoylphosphatidylcholine, *Proceedings of the National Academy of Sciences* 79:2559, 1982
3. Feix, J., Popp, C.A., Hyde, J.S., Venkataramu, S.D., Beth, A., Park, J.H.: Interactions of 14N-15N stearic acid spin labels in membranes: an EPR ELDOR experiment, *Federation Proceedings* 42:2170, 1983
4. Feix, J.B., Popp, C.A., Venkataramu, S.D., Beth, A.H., Park, J.H., Hyde, J.S.: An electron-

- electron double resonance study of interactions between ¹⁴N and ¹⁵N stearic acid spin label pairs: lateral diffusion and vertical fluctuations in dimyristoylphosphatidylcholine, *Biochemistry* 23:2293, 1984
5. Crits-Christoph, P., Luborsky, L., Dahl, L., Popp, C., Mellon, J., Mark, D.: Clinicians can agree in assessing the relationship patterns in psychotherapy: the core conflictual relationship theme method, *Archives of General Psychiatry* 45:1001, 1988
 6. Johnson, M.E., Popp, C., Schacht, T.E., Mellon, J., Strupp, H.H.: Converging evidence for identification of recurrent relationship themes: comparison of two methods, *Psychiatry* 52:275, 1989
 7. Perry, J.C., Luborsky, L., Silberschatz, G., Popp, C.: An examination of three methods of psychodynamic formulation based on the same videotaped interview, *Psychiatry* 52:302, 1989
 8. Popp, C., Taketomo, Y.: The application of the core conflictual relationship theme method to Japanese psychoanalytic psychotherapy, *Journal of the American Academy of Psychoanalysis* 21:229, 1993
 9. Luborsky, L., Popp, C., Luborsky, E., Mark, D. The core conflictual relationship theme, *Psychotherapy Research* 4:172, 1994
 10. Luborsky, L., Popp, C., Barber, J. Common and special factors in different transference related measures. *Psychotherapy Research* 4:277, 1994
 11. Popp, C.A., Diguier, L., Luborsky, L., Faude, J., Johnson, S., Morris, M., Schaffer, N., Schaffler, P., Schmidt, K. Repetitive relationship themes in waking narratives and dreams, *Journal of Consulting and Clinical Psychology* 64:1073, 1996
 12. Popp, C.A., Trudeau, J.D., Durden, D., Faber, T.L., Burrows, B., Sheppard, S.K., Hoffman, J.M., Davis, P.C. Functional MR imaging in children, *Neuroimage* 3:S594, 1996
 13. Popp, C.A., Trudeau, J.D., Biswal, B., Faber, T.L. Negative Pixels in functional maps of sensorimotor tasks, *Neuroimage* 3:S165, 1996
 14. Song, A.W., Dixon, W.T., Mao, H., Weingarten, C.P. The use of repeated intrinsic diffusional enhancement (RIDE) to increase fMRI contrast, *Neuroimage* 7:S540, 1998
 15. Popp, C.A., Votaw, J.R., Faber, T.L., Henry, T.R., Trudeau, J.D., Woodard, J., Mao, H., Woods, R.P., Hoffman, J.M., Song, A.W. fMRI and PET studies of a visual confrontation naming task, *Neuroimage* 7:S148, 1998
 16. Popp Weingarten, C.A., Song, A.W., Wong, E.C., Cotsonis, G., Hyde, J.S. T1-selective diffusion weighted FMRI at 1.5T, *NMR in Biomedicine* 11:405, 1998
 17. Votaw, J.R., Faber, T.L., Popp, C.A., Henry, T.R., Trudeau, J.D., Woodard, J.L., Mao, H., Hoffman, J.M., Song, A.W. A confrontational naming task produces congruent increases and decreases in PET and fMRI, *Neuroimage* 10: 347-356, 1999.
 18. Haist, F., Song, A.W., Wild, K., Faber, T.L., Popp, C.A., Morris, R. Linking sight and sound: fMRI evidence of primary auditory cortex activation during visual word recognition, *Brain and Language* 76: 340-350, 2001
 19. Popp, C. A., Luborsky, L., Andursyna, T., Cotsonis, G., Seligman, D. Relationships between God and people in the Bible: A core conflictual relationship theme study of the Penateuch/Torah. *Psychiatry* 65:179-196, 2002
 20. Popp, C., Luborsky, L., Descoteaux, J., Diguier, L., Andursyna, T., P.Kirk, D., Cotsonis, G. Relationships between God and people in the Bible: Part II. The New Testament, with comparisons with the Torah. *Psychiatry* 66:285-307, 2003
 21. Luborsky, L., Diguier, L., Andrusyna, T., Friedman, S., Tarca, C., Popp, C. A., Ermold, J., Silberschatz, G. A method of choosing CCRT scorers. *Psychotherapy Research* 14:127-134, 2004
 22. Popp, C., Luborsky, L., Descoteaux, J., Diguier, L., Andrusyna, T., P., Kirk, D., Cotsonis, G. Relationships between God and people in the Bible: Part III. When the other is an outsider. *Psychiatry* 67:26-37, 2004

23. Weingarten Popp, C., Chisholm, J.S. Attachment and cooperation in religious groups: An example of a mechanism for cultural group selection. *Current Anthropology* 50: 759-785, 2009.
24. Loughhead, J., Luborsky, L., Weingarten, C., German, R., Kirk, D., Krause, B., Gur, R.C. Brain activation during autobiographical relationship episode narratives: A core conflictual relationship theme approach. *Psychotherapy Research* 20:321-336, 2010
25. Weingarten, C., Chisholm, J.S. On religion. *Current Anthropology* 51: 423-424, 2010.

Research Publications, peer-reviewed reviews: None.

Contributions to peer-reviewed clinical research publications, participation cited but not by authorship: None.

Research Publications, non-peer reviewed:

1. Mao, H., Muthupillai, R., Kennedy, P.R., Popp, C.A., Song, A.W. Clinical application of fMRI: motor cortex activation in a paralysed patient, *MedicaMundi* 42:19, 1998

Abstracts: (List only the past 3 years.)

1. Popp, C., Loughhead, J., Luborsky, L., German, R., Kirk, D., Krause, B., Gur, R. Neural substrates of psychotherapy: Neuroimaging and CCRT. (Presented from the platform at the 39th annual meeting of the Society for Psychotherapy Research, Barcelona, Spain, June 19, 2008.)
2. Chisholm, J.S., Popp, C. Evolution, attachment, and religion: God is love, or Durkheim meets Bowlby. (Presented from the platform at the annual meeting of the American Anthropological Association, San Francisco, November 22, 2008.)
3. Popp, C., Chisholm, J.S. The attachment system and cooperation in religious groups. (Presented from the platform at the annual meeting of the American Anthropological Association, San Francisco, November 22, 2008.)
4. Weingarten, C.P., Loughhead, J., German, R., Gur, R. Neuroimaging and implications for a cognitive neuroscience of psychotherapy. (Presented from the platform at the 41st international annual meeting of the Society for Psychotherapy Research, Asilomar, USA, June 26, 2010.)

Editorials, Reviews, Chapters, including participation in committee reports (print or other media):

1. Hyde, J. S., Popp, C. A., Schreier, S.: Spin-probe—spin-label investigations of model membranes, *Frontiers of Biological Energetics*, Vol. 2, Academic Press, 1978
2. Wolf, G.L., Popp, C.A.: Understanding the influence of blood flow on nuclear magnetic resonance images, in Moss, A., Ring, E., Higgins, C. (Ed.) *CT, NMR and Interventional Radiology*, University of California, San Francisco, 1984
3. Crits-Christoph, P., Luborsky, L., Popp, C., Mellon, J., Mark, D.: The reliability of choice of narratives and of the CCRT measure, in Luborsky, L., Crits-Christoph, P., *Understanding Transference*, Basic Books, New York, 1990
4. Popp, C., Luborsky, L., Crits-Christoph, P.: The parallel of the CCRT from therapy narratives with the CCRT from dreams, in Luborsky, L., Crits-Christoph, P., *Understanding Transference*, Basic Books, New York, 1990
5. Horowitz, M.J., Luborsky, L., Popp, C.: A comparison of the role-relationship models configuration and the core conflictual relationship theme, in Horowitz, M.J. (Ed.) *Person Schemas and Maladaptive Interpersonal Patterns*, University of Chicago Press, Chicago, 1991
6. Popp, C., Luborsky, L.: L'uso del metodo CCRT per studiare il transfert nella psicoterapia

- psicoanalitica, in Zabonati, A., Migone, P., Maschietto, G. (Ed.) *La Validazione Scientifica Delle Psicoterapie Psicoanalitiche* Editoriale IPAR. Supplemente al Numero Unico Settembre 1993 di *Euristica rivista quadrimestrale di Psicologia clinica e Psicoterapia*, 1993
7. Luborsky, L., Popp, C., Barber, J., Shapiro, D. (Eds.) Editors' introduction. *Psychotherapy Research* 4:151, 1994
 8. Luborsky, L., Mark, D., Hole, A., Popp, C., Goldsmith, B., Cacciola, J.: Supportive-expressive dynamic psychotherapy of depression: a time-limited version, in Barber, J. and Crits-Christoph, P. (Eds.) *Dynamic Therapies for Psychiatric Disorders (Axis I)* Basic Books, New York, 1995
 9. Popp, C., Luborsky, L., Crits-Christoph, P. The parallel of the CCRT from waking narratives with the CCRT from dreams, in Luborsky, L. and Crits-Christoph, P. (Eds.), *Understanding Transference – the Core Conflictual Relationship Theme Method* (Chapter 12A) American Psychological Association, Washington, D.C., 1997
 10. Popp, C.A., Diguier, L., Luborsky, L., Faude, J., Johnson, S., Morris, M., Schaffer, N., Schaffler, P., Schmidt, K. The parallel of the CCRT from waking narratives with the CCRT from dreams: a further validation, in Luborsky, L. and Crits-Christoph, P. (Eds.), *Understanding Transference – the Core Conflictual Relationship Theme Method* (Chapter 12B) American Psychological Association, Washington, D.C., 1997
 11. Song, A.W., Popp, C.A., Mao, J., Dixon, W.T. fMRI methodology: data acquisition and processing, in Henry, T.R. and Duncan, J. (Eds.) *Functional Neuroimaging in the Epilepsies* Lippincott Williams & Wilkins, 1999

Books:

1. *NMR: A Primer for Medical Imaging*, G.L. Wolf and C. Popp, Slack, Inc. Thorofare, N.J., 1984

Alternative Media:

1. Weingarten, C. Memories of Britton Chance.
<http://www.med.upenn.edu/biociop/chance/reflections/weingarten.html>

Patents: None.