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 Distinguished Professor, University of California San Diego  
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#### *Academic degrees*

B.S. Microbiology, Kansas State University, Manhattan, KS, USA (1973)  
 Ph.D. Microbiology University of Kansas, Kansas City, KS, USA (1977)  
 Postdoctoral Fellow, Jackson Laboratory, Bar Harbor, ME, USA (1977-1979)  
 Postdoctoral Scholar, MIT, Cambridge, MA, USA (1979-1981)  
 Postdoctoral Associate, Howard Hughes Med. Inst, Salt Lake City, UT, USA (1981-1983)

#### *Prizes and honors*

Anna Fuller Fund Postdoctoral Fellowship (1978-1979)  
 National Research Service Award, NCI, NIH (1979-1982)  
 Basil O'Connor Award, March of Dimes Birth Defects Foundation (1983)  
 Rhoads Award, American Association for Cancer Research (1988)  
 Charles S. Mott Award, General Motors Cancer Research Foundation (1990)  
 Farber Award, American Association of Neurological Surgeons (1994)  
 D.Sc. (Honoris Causis), University of Cincinnati (2002)  
 Anthony Dipple Senior Carcinogenesis Award, European Assoc. for Cancer Res, Spain (2002)  
 Raymond Bourguine Award, Paris, France (2002)  
 Albert Szent-Gyorgyi Award, National Foundation for Cancer Research, NY (2007)  
 Princess Takamatsu-AACR Award, American Assoc. Cancer Research (2007)  
 Distinguished Achievement Medal in Human Genetics, Ohio State University (2008)  
 Honorary Professor, Tianjin University, China (2010)  
 Margaret Foti Award, American Assoc. Cancer Research (2014)  
 China Friendship Award (2016)  
 Founders Award, National Brain Tumor Society (2016)

#### *Editor*

Journal of Neuro-oncology (2007-2013)

*Editorial board*

International Journal of Cancer (1999–present)  
 Neuro-oncology (2002–present)  
 Oncogene Research (1986–1991)  
 Cytogenetics and Cell Genetics (1986–1991)  
 Methods in Molecular Biology (1988–1993)  
 Journal of Heredity (1991–1996)  
 Journal of Clinical Investigation (1992–1997)  
 Cancer Epidemiology, Biomarkers and Prevention (1996–2001)  
 Journal of Clinical Investigation (Consulting Editor, 1998–2002)  
 Genes Chromosomes and Cancer (1992–2002)  
 Cancer Research (1987–2002)  
 Genomics (1986–2003)  
 Cell Growth and Differentiation (1992–2003)

*Selected publications*

Costello JF, Frühwald MC, Smiraglia DJ, Rush L, Robertson GP, Gao X, Wright FA, Feramisco JD, Peltomäki P, Lang JC, Schuller DE, Yu L, Bloomfield CD, Caligiuri MA, Yates A, Nishikawa R, Huang H-JS, Petrelli NJ, Zhang X, D'Orisio MS, Held WA, Cavenee WK and Plass C. Aberrant CpG Island Methylation Has Non-Random and Tumor-Type Specific Patterns. *Nature Genetics* 24: 132-138 (2000)

Mellinghoff I, Wang Y, Vivanco I, Haas-Kogan DA, Zhu S, Dia EQ, Lu KV, Yoshimoto K, Huang JHY, Chute DJ, Riggs BL, Horvath S, Liau LM, Cavenee WK, Rao PN, Beroukheim R, Peck TC, Lee JC, Sellers WR, Stokoe D, Prados M, Cloughesy TF, Sawyers CL and Mischel PS. Molecular Determinants of the Response of Glioblastomas to EGFR Kinase Inhibitors. *New England Journal of Medicine* 353: 2012-2024 (2005)

Okumura K, Zhao M, DePinho RA, Furnari FB and Cavenee WK. Cellular Transformation by the MSP58 Oncogene is Inhibited by its Physical Interaction with the PTEN Tumor Suppressor. *Proceedings of the National Academy of Sciences USA* 102:2703-2706 (2005)

Wiedemeyer R, Brennan C, Heffernan TP, Xiao Y, Mahoney J, Protopopov A, Zheng H, Bignell G, Furnari F, Cavenee WK, Hahn WC, Ichimura K, Collins VP, Chu GC, Stratton MR, Ligon KL, Futreal PA and Lynda Chin L. Feedback Circuit Among INK4 Constrains Glioblastoma Development. *Cancer Cell* 13: 355-364 (2008)

Read RD, Cavenee WK, Furnari FB and Thomas JB. A Drosophila Model for EGFR-Ras and Pi3K- dependent Human Glioma. *PLoS Genetics* 5: e1000374 (2009)

- Lu KV, Zhu S, Cvrljevic A, Huang TT, Sarkaria S, Ahkavan D, Dang J, Dinca EB, Plaisier SB, Oderberg I, Lee Y, Chen Z, Caldwell JS, Xie Y, Loo JA, Seligson D, Chakravarti A, Lee FY, Weinmann R, Cloughesy TF, Nelson SF, Bergers G, Graeber T, Furnari FB, James CD, Cavenee WK, Johns TG and Mischel PS. Fyn and Src are Effectors of Oncogenic Epidermal Growth Factor Receptor Signaling in Glioblastoma Patients. *Cancer Research* 69: 6889-6898 (2009)
- Mukasa A, Wykosky J, Ligon K, Chin L, Cavenee WK and Furnari FB. Mutant EGFR Signaling in Glioblastoma: Requirement for Maintenance of Enhanced In Vivo Tumor Growth and Emergence of Receptor-Independent Mechanisms for Escape. *Proceedings of the National Academy of Sciences USA* 107: 2616-2621 (2010)
- Inda M, Bonavia R, Sah D, Mukasa A, Narita Y, Johns TG, Bachoo R, Brennan C, Hadwiger P, Tan P, DePinho R, Cavenee W, and Furnari FB. Tumor Heterogeneity is an Active Process Driven by a Mutant EGFR-Driven Paracrine Circuit in Glioblastoma. *Genes and Development* 24: 1731-1745 (2010)
- Staquicini F, Ozawa M, Moya C, Driessen W, Barbu EM, Nishimori H, Soghomonyan S, Flores L II, Liang X, Paolillo V, Alauddin M, Basillion J, Furnari F, Bogler O, Lang F, Aldape K, Fuller G, Hook M, Gelovani J, Sidman R, Cavenee WK, Pasqualini R and Arap W. Systematic combinatorial targeting of brain tumors in mice and humans yields an unrecognized iron-mimicry mechanism. *Journal of Clinical Investigation* 121: 161-73 (2011)

#### *Selected text books*

- Louis DN and Cavenee WK. Molecular Biology of Central Nervous System Tumors. In *Cancer: Principles and Practice of Oncology*, VT DeVita, S Hellman and SA Rosenberg, eds. Lippincott-Raven Publishers, Philadelphia, pp. 1827-1834, 7<sup>th</sup> Edition, 2005.
- Louis DN, Ohgaki H, Wiestler OD and Cavenee WK, eds. *WHO Classification of Tumours of the Central Nervous System*, 4<sup>th</sup> Edition. IARC, Lyon, 2007.
- James CD, Louis DN and Cavenee WK. Molecular Biology of Central Nervous System Tumors. In *Cancer: Principles and Practice of Oncology*, VT DeVita, TS Lawrence and SA Rosenberg, eds. Lippincott, Williams and Wilkins Publishers, Philadelphia. pp. 1692-1699, 9<sup>th</sup> Edition, 2011.
- Cavenee WK, Hadjistilianou T, Bögler O and Newsham IF. Retinoblastoma and Associations with Sarcoma. In *WHO Classification of Tumours of Soft Tissue and Bone*. C.D.M. Fletcher, J. Bridge P., Hogendoorn and F. Mertens, eds. IARC, Lyon, 2013.
- Louis DN, Ohgaki H, Wiestler OD and Cavenee WK, eds. *WHO Classification of Tumours of the Central Nervous System*, revised 4<sup>th</sup> Edition. IARC, Lyon, 2016.