

CURRICULUM VITAE

NAME Constantin Theodore Yiannoutsos, Ph.D.

EDUCATION

UNDERGRADUATE: B.A. in Mathematics concentration in Actuarial Science *Central Connecticut State University, New Britain, CT. 1986.*

GRADUATE: M.S. in Statistics. *University of Connecticut, Storrs, CT. 1989*
Ph.D. in Statistics. *University of Connecticut, Storrs, CT. 1991*

ACADEMIC APPOINTMENTS

1994 – 1998: Research Associate. Center for Biostatistics in AIDS Research, Harvard School of Public Health Boston, MA.

1998 – 2000: Research Scientist Center for Biostatistics in AIDS Research, Harvard School of Public Health Boston, MA.

2000 – 2002 Senior Research Scientist Center for Biostatistics in AIDS Research, Harvard School of Public Health, Boston, MA.

2002 – 2008 Associate professor Indiana University School of Medicine, Department of Medicine, Indianapolis, IN.

2003 – present Adjunct associate professor Biostatistics Indiana University Purdue University Indianapolis Department of Mathematical Sciences.

2008 – present Professor Indiana University Department of Medicine, Department of Medicine, Indianapolis, IN.

HOSPITAL APPOINTMENTS

Not applicable

OTHER APPOINTMENTS AND PROFESSIONAL CONSULTANSHIPS

1993 – 1994: University Instructor. University of Indianapolis International, Athens, Greece.

1995 – 2002 University Instructor Harvard University Department of Continuing Education, Cambridge, MA.

2000 – 2002 University lecturer Harvard School of Public Health, Boston, MA
Summer program in Public Health

1999 – present Visiting lecturer University of Athens Medical School, Athens, Greece. Master's program in Biostatistics

2006 – 2007 Visiting professor Moi School of Public Health, Eldoret, Kenya

SPECIALTY BOARD STATUS: Not applicable

LICENSURE AND CERTIFICATIONS: Not applicable

PROFESSIONAL ORGANIZATIONS:

- American Statistical Association
- International Biometrics Society, Eastern North Atlantic Region and Eastern Mediterranean Region

HONORS AND AWARDS:

Graduated with honors, Central Connecticut State University, New Britain, CT.

TEACHING ASSIGNMENTS DURING AT LEAST THE PRECEDING TWO YEARS:

1993 – 1994:	<u>Introduction to probability.</u> University of Indianapolis International, Athens, Greece.
1993 – 1994:	<u>Computer packages.</u> University of Indianapolis International, Athens, Greece.
1995 – 2002	<u>Introduction to Biostatistics I.</u> Harvard University Department of Continuing Education, Cambridge, MA.
2000 – 2002	<u>Principals of Biostatistics II.</u> Harvard School of Public Health, Boston, MA Summer program in Public Health
1999 – 2001	<u>General linear models.</u> University of Athens Medical School, Athens, Greece. Master's program in Biostatistics
2002 – 2002	<u>Generalized linear models.</u> University of Athens Medical School, Athens, Greece. Master's program in Biostatistics
2004 – present	<u>Analysis of failure time data.</u> University of Athens Medical School, Athens, Greece. Master's program in Biostatistics
2002 – 2004	<u>Introduction to Biostatistics II (G652).</u> Indiana University Department of Medicine.
2003 – 2004	<u>Short course in Biostatistics.</u> Survival analysis. Indiana University Department of Medicine.
2006	<u>Principals of Biostatistics I.</u> Moi University School of Public Health, Eldoret, Kenya
2008 – present	<u>Introduction to Clinical Trials (BIOS527).</u> Indiana University Department of Medicine.

PROFESSIONAL SERVICE:

1. National regional and international service

a. National service

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| 2004 – 2005 | Member of NIMH special emphasis panel ZMH1 ERB-X (02) S |
| 2004 | Grant reviewer, Lance Armstrong Foundation |
| 1995 – present | AIDS Clinical Trials Group Neurology subcommittee member |

b. State and regional service

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| 2003 – present
DSMB leading
statistician | Center for Cancer Care at Goshen Health System. A phase III multi-institutional randomized study of immunization with gp100:209-217(210M) peptide followed by high dose IL-2 versus high dose IL-2 alone in patients with metastatic melanoma |
| 2004
DSMB leading
statistician | Hoosier Oncology Group protocol GI02-38, a phase II study of capecitabine plus docetaxel combination in patients with esophageal/gastric cancer. |
| 2009 – present
DSMB leading
statistician | Infant Male Circumcision in Gaborone, Botswana, and Surrounding Areas: Feasibility, Safety and Acceptability |

2. University administrative service:

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| 2002 – 2006 | <u>Director</u> , Indiana University Cancer Center Biostatistics Core. |
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University committee service:

a. Departmental.

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| 2004 – 2006 | Information Technology Advisory Committee (ITAC), member. |
| 2004 – 2006 | Biostatistics class coordinator (5% full-time effort) |

b. Campus

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| 2002 – 2006 | Indiana University Cancer Center Scientific research committee (SRC), member. |
| 2002 – 2006 | Indiana University Cancer Center Clinical Research Committee (CRC), member |
| 2002 – 2006 | Indiana University Cancer Center Clinical Trials Monitoring |

Committee (CTMC), member

2002 – 2007 Indiana University AIDS Clinical Trials Unit (ACTU), member

c. System

Not applicable

3. Student service

Informal biostatistics review classes with Hematology Oncology fellows (Fall 2003).

OTHER PROFESSIONAL ACTIVITIES:

1. Invited presentations

- a. Grand rounds, IU Cancer Center, June 2, 2003
- b. Invited seminar, Colleges of Engineering, Science, Agricultural Sciences, Southern Illinois University, Carbondale, IL, April 27, 2004
- c. Presentation to Surgical Research Lab Meeting, October 3, 2005
- d. Grand rounds to Orthopedic Residents, January 4, 2006
- e. PEPFAR consultation, Washington, DC, February, 2008

2. Contributed presentations

- a. 17th International Workshop in Statistical Modeling, Chania, Greece, 2002
- b. International Biometrics Society ENAR meeting, Tampa, FL, 2003.
- c. 16th conference of the Hellenic Statistical Institute, Kavala, Greece, 2003

GRANTS AND FELLOWSHIPS:

Active:

2011 – 2016 U01 AI 69911 (Yiannoutsos, IUSOM)	International Epidemiologic Databases to Evaluate AIDS (IEDEA). <u>Principal Investigator</u> (\$3,929,106)	30%
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2009 – 2011 U01AI069911-04S209 (Yiannoutsos, IUSOM)	East Africa IeDEA Regional Consortium (Malaria supplement). <u>Principal Investigator</u> (\$299,385)	10%
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Completed:

2008 – 2013 R01 MH 081772 (Spudich, UCSF)	The Neuropathobiology of Primary HIV-1 Infection. <u>PI, statistical core</u> (\$255,514) ¹	7%
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2008 – 2012 (Yiannoutsos, IUSOM)	National NeuroAIDS Tissue Consortium (NNTC) Data Coordinating Center (U01). <u>Principal Investigator</u> (\$3,551,612) ²	20%
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2009 – 2011	East Africa IeDEA Regional Consortium (ARRA)	0%
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¹ Requested

² Proposed budget

U01AI069911-04S109 (Yiannoutsos, IUSOM)	supplement). <u>Principal investigator</u> (\$885,850)	
2009 – 2010 U01 AI 69911 (Yiannoutsos, IUSOM)	East Africa IeDEA Regional Consortium (ARRA supplement). <u>Principal Investigator</u> (\$808,234)	10%
2009 – 2010 U01 AI 69911 (Yiannoutsos, IUSOM)	HIV-related Malignancies in the East Africa IeDEA Consortium. <u>Principal Investigator</u> (\$230,000)	5%
2008 – 2011 Contract, The Emmes Corporation (Brandt, The Emmes Corp)	Bioinformatics support to National NeuroAIDS Tissue Consortium (NNTC) Data Coordinating Center. <u>PI, statistical core</u> (\$407,462)	10%
2008 – 2009 U01 AI 69911 (Yiannoutsos, IUSOM)	International Epidemiologic Databases to Evaluate AIDS (IeDEA). NIAID supplement. HIV-1 Genotypic Diversity and drug resistance in western Kenya at times of political crisis. <u>Principal Investigator</u> (\$74,971)	0%
2007 – 2008 U01 AI 69911 (Yiannoutsos, IUSOM)	Outreach to orphans and vulnerable children (OVC) in a comprehensive HIV clinical care program in Kenya. <u>Principal Investigator</u> (\$92,412)	5%
2005 – 2011 R01 NS 36524 (Navia, Tufts)	<i>In-vivo</i> ¹ H-MRS Studies of cerebral injury in HIV Dementia. <u>PI, statistical core</u> (\$1,033,096)	20%
2008 – 2009 R21 DA 025487 (He, IUSOM)	Drug abuse and neuroAIDS in China. <u>Co-investigator</u>	3%
2007 – 2008 U01 AI 69911 (Yiannoutsos, IUSOM)	International Epidemiologic Databases to Evaluate AIDS (IEDEA). NICHD supplement. <u>Principal Investigator</u> (\$80,000)	0%
2008 – 2009 U01 AI 69911 (Yiannoutsos, IUSOM)	HIV-related Malignancies in the East Africa IeDEA Consortium. <u>Principal Investigator</u> (\$230,000)	5%
2007 – 2008 U01 AI 69911 (Yiannoutsos, IUSOM)	HIV-related Malignancies in the East Africa IeDEA Consortium. <u>Principal Investigator</u> (\$230,000)	5%
1999 – 2003 R03 MH 60565 (Schifitto, Rochester)	Strategies for neurological evaluation in HIV infection. <u>Co-investigator</u> . (\$175,758) ³	0%

³ Total biostatistics budget in parenthesis

2001 – 2004 DAMD 17-01-1-0725 (Williams, IUSOM)	DNA Repair & cell Cycle therapeutic targets for ovarian cancer. <u>Co-investigator</u> (\$64,775)	0%
2002 – 2007 R01 CA 074177 (Clapp, IUSOM)	Neurofibromatosis Type 1 gene regulates myelopoiesis. <u>Co-investigator</u> (\$92,808)	10%
2003 – 2005 R21 CA 097721 (McGarry, IUSOM)	Extracranial stereotactic radioablation in lung cancer (\$18,068). <u>Co-investigator</u>	5%
2006 – 2007 U01 AI 069911-01S1 (Yiannoutsos, IUSOM)	Monitoring and evaluation, patient surveillance and loss to follow-up. <u>Principal Investigator</u> (\$123,000)	10%
2006 – 2007 U01 AI069911 (Yiannoutsos, IUSOM)	International Epidemiologic Databases to Evaluate AIDS (IEDEA). NICHD supplement. <u>Principal Investigator</u> (\$60,000)	0%
2004 – 2008 P30 CA082709 (Williams, IUSOM)	Cancer Center Support Grant. Director, Biostatistics Shared Facility (\$389,961). <u>Director of shared facility.</u>	15%
2004 – 2009 R01 CA106298 (Kelley, IUSOM)	Imbalancing DNA BER to enhance ovarian tumor sensitivity. <u>Co-investigator</u> (\$47,063)	5%
2004 – 2009 W81XWH-04-0468 (Sledge, IUSOM/HOG)	Breast Cancer Center of Excellence. <u>Co-investigator</u> (\$324,240)	10%

PRINT AND ELECTRONIC PUBLICATIONS

I. Teaching: None

II. Refereed publications

1. Kuo L, and **Yiannoutsos CT**: “Empirical Bayes Risk Evaluation With Type-II Censored Data”, Journal of Statistical Computation and Simulation, 48:195-206, 1994
2. Navia, BA, Dafni U, Simpson, D, Tucker T, Slasor P, McArthur JC, **Yiannoutsos CT**, Zaborski, L, and Lipton, SA: “A Phase I/II Trial of Nimodipine for the Treatment of Neurological Manifestations Associated with HIV Infection, Including AIDS Dementia Complex and Peripheral Neuropathy. Neurology, 1998; 51:221-228

3. Hall CD, Dafni U, Simpson D, Clifford D, Wetherill P, Cohen B, McArthur JC, Hollander H, **Yiannoutsos CT**⁴, Major E, Millar L, Timpone J: Failure of Cytosine Arabinoside Therapy of Human Immunodeficiency Virus-I Associated Progressive Multifocal Leukoencephalopathy. *New England Journal of Medicine*, 1998; 338:19, 1345-51
4. Kiebertz K, Simpson D, **Yiannoutsos C**, Max MB, Hall CD, Ellis RJ, Marra CM, McKendall R, Singer E, Dal Pan GJ, Clifford DB, Tucker T, Cohen B and the ACTG 242 Protocol Team. A randomized controlled trial of amitriptyline and mexiletine for painful neuropathy in HIV infection. *Neurology*, 1998; 51:1682-8.
5. Clifford DB, **Yiannoutsos C**, Glicksman M, Simpson DM, Singer EJ, Piliero PJ, Marra CM, Francis GS, McArthur JC, Tyler KL, Tselis AC, Hyslop NE. HAART improves prognosis in HIV-associated progressive multifocal leukoencephalopathy. *Neurology* 1999; 52:623-625.
6. Chen, MH, Ibrahim, JG, and **Yiannoutsos C**. Prior Elicitation, Variable Selection and Bayesian Computation for Logistic Regression Models, *Journal of the Royal Statistical Society, Series B*, 1999; 61:223-242.
7. Rostasy K, Monti L, Kneissl M, **Yiannoutsos CT**, Bell J, Hedreen JC, Navia BA. HIV infection, iNOS expression and microglial activation: pathogenetic relationship to the AIDS dementia complex. *Annals of Neurology*, 1999; 46:207-216.
8. **Yiannoutsos CT**, Major EO, Curfman B, Jensen PN, Gravel M, Hou J, Clifford DB, Hall CD. Relation of JC virus DNA in the CSF to survival in AIDS patients with biopsy-proven Progressive Multifocal Leukoencephalopathy. *Annals of Neurology*, 1999; 45:816-820.
9. Price RW, **Yiannoutsos CT**, Clifford DB, Zaborski L, Tselis A, Sidtis JJ, Cohen B, Hall CD, Erice A, and Henry K. Neurological outcomes in late-stage HIV-1 infection: adverse influence of neurological impairment on Survival and protective effect of antiviral therapy. *AIDS*, 1999; 13:1677-1686
10. Post MJD, **Yiannoutsos C**, Simpson D, Booss J, Clifford DB, Cohen B, McArthur JC, Hall CD and the ACTG 243 team. PML in AIDS: An MR/Neurological/Pathological correlation. Are there any MR or neurological findings predictive of patient survival? 1999. *Am J Neuroradiol*. 1999; 20:1896-1906.
11. McArthur, JC, **Yiannoutsos C**, Simpson, DM, Adornato BT, Singer EJ, Hollander H, Marra C, Rubin M, Cohen BA, Tucker T, Navia BA, Schifitto G, Katzenstein D, Rask C, Zaborski L, Smith ME, Shriver S, Millar L, Clifford DB. A phase II trial of nerve growth factor for sensory neuropathy associated with HIV infection. *Neurology*, 2000; 54:1080-1088.

⁴ The name is misspelled in the publication (“Yainnoutsos”)

12. Fichtenbaum, CJ, Koletar S, **Yiannoutsos CT**, Holland F, Pottage J, Cohn S, Walawander AL, Frame P, Feinberg J, Saag M, Van der Horst C, Powderly WG, Refractory Mucosal Candidiasis in Advanced Human Immunodeficiency Virus Infection. *Journal of Infectious Diseases*, 2000; 30:749-756
13. Hewitt RG, **Yiannoutsos CT**, Higgs ES, Carey JT, Geiseler PJ, Soave R, Rosenberg R, Vasquez GJ, Wheat LJ, Fass RJ, Antonijevic Z, Walawander AL, Flanigan TP, Bender JF. Paromomycin for the treatment of cryptosporidiosis in patients with advanced HIV infection: a randomized, double-blind, placebo-controlled trial *Journal of Infectious Diseases*, 2000; 31: 1084-1092
14. Rostasy K, Monti L, **Yiannoutsos CT**, Wu J, Bell J, Hedreen J Navia BA. TNF- α expression, NF- κ B activation and apoptosis in the AIDS Dementia Complex. *Journal of Neurovirology*, 2000; 6: 537-543
15. **Yiannoutsos CT**, De Luca A. Designs for clinical trials to test the efficacy of therapeutics in progressive multifocal leukoencephalopathy. *Journal of Neurovirology*, 2001; 7: 369-374
16. Schifitto G, Simpson D, Haidich AB, **Yiannoutsos CT**, McArthur JC, for the ACTG 291 Protocol Study Team. Long-Term Treatment with Open Label Nerve Growth Factor for HIV-Associated Sensory Neuropathy. *Neurology*, 2001; 57: 1313-1316.
17. Simpson D, Katzenstein D, Haidich AB, **Yiannoutsos CT**, Millington D, McArthur JC and the ACTG 291/860 protocol study teams. Plasma Carnitine in HIV-Associated Neuropathy. *AIDS*, 2001; 15: 2207-2208
18. Simpson DM, Haidich AB, Schifitto G, **Yiannoutsos CT**, Geraci AP, McArthur JC, Katzenstein DA. Severity of HIV-associated Neuropathy is Associated with Plasma HIV-1 RNA Levels. *AIDS*, 2002; 16: 407-412.
19. Polydefkis M, **Yiannoutsos CT**, Shriver S, Simpson DM, Cohen BA, Adornato BT, Hollander H, Marra CM, Clifford DB and McArthur JC. Intraepidermal nerve fiber density in HIV-associated sensory neuropathy. *Neurology*, 2002; 58: 115-119
20. Lee PL, **Yiannoutsos CT**, Ernst T, Chang L, Marra CM, Jarvik JG, Richards TL, Kwok EW, Kolson DL, Simpson D, Tang CY, Schifitto G, Ketonen LM, Meyerhoff DJ, Lenkinski RE, Gonzalez RG, Navia BA. MRS study of the AIDS dementia complex: Validation and preliminary analysis. *J Magn Reson Imaging*. 2003; 17:625-33
21. Smith, KM, Daly M, Bauer L, Fischer M, **Yiannoutsos CT**, Bauer L, Barkley R, Navia BA. Association of the Dopamine Beta Hydroxylase gene with Attention Deficit Hyperactivity Disorder: Genetic Analysis of the Milwaukee Longitudinal Study. *Am J Med Genet*. 2003; 119B:77-85
22. Rostasy K, Egles C, Chauhan A, Kneissl M, Bahrani P, **Yiannoutsos C**, Hunter DD, Nath A, Hedreen JC, Navia BA. SDF-1 α is expressed in astrocytes and

- neurons in the AIDS dementia complex: an in vivo and in vitro study. *J Neuropathol Exp Neurol.* 2003; 62(6):617-26
23. Wiesenauer CA, Schmidt CM, Cummings OW, **Yiannoutsos CT**, Howard TJ, Wiebke EA, Goulet RJ, McHenry L, Sherman S, Lehman GA, Cramer H, Madura JA. Preoperative predictors of malignancy in pancreatic intraductal papillary mucinous neoplasms. *Arch Surg;* 2003; 138:610-618
 24. Nakas C, **Yiannoutsos CT**, Bosch RJ, Moysiadis C. Assessment of diagnostic markers by goodness-of-fit tests. *Stat Med;* 2003; 22:2503-2513.
 25. Vaena DA, Walker P, Pennington K, Stephens A, Stender MJ, **Yiannoutsos CT**, Young C, Stoner C, Cripe LD. Phase II study of low-dose topotecan in myelodysplastic syndromes: a Hoosier Oncology Group (HOG) study. *Leuk Res;* 2004; 28:49-52.
 26. Schneider BP, Kesler KA, Brooks JA, **Yiannoutsos CT** and Einhorn LH. Outcome of patients with residual germ cell or non-germ cell malignancy after resection of primary mediastinal non-seminomatous germ cell cancer. *J Clin Oncol.* 2004; 22:1195-1200
 27. Goldman M, Zackin R, Fichtenbaum CJ, Skiest DJ, Koletar SL, Hafner R, Wheat LJ, Nyangweso PM, **Yiannoutsos CT**, Schnizlein-Bick CT, Owens S, Aberg JA; AIDS Clinical Trials Group A5038 Study Group. Safety of discontinuation of maintenance therapy for disseminated histoplasmosis after immunologic response to antiretroviral therapy. *Clin Infect Dis.* 2004; 38:1485-1489
 28. Schmidt CM, Powell ES, **Yiannoutsos CT**, Howard TJ, Wiebke EA, Wiesenauer CA, Baumgardner JA, Cummings OW, Lillemoe KD, Jacobson L, Broadie TA, Goulet RJ, Curie EA, Cardenes H, Watkins JM, Loehrer PJ and Madura JA. Pancreaticoduodenectomy: A twenty year experience in 516 patients. *Arch Surgery* 2004; 139:718-727.
 29. Nakas CT, **Yiannoutsos CT**. Ordered multiple class ROC analysis with continuous measurements. *Stat Med* 2004; 23:3437-3449
 30. **Yiannoutsos CT**, Ernst T, Chang L, Lee PL, Richards T, Marra C, Meyerhoff DJ, Jarvic J, Kolson D, Schifitto G, Ellis RJ, Swindells, Simpson DM, Miller EN, Gonzalez RG, Navia BA. Patterns of regional brain metabolism and diagnostic utility of proton MRS in AIDS Dementia Complex. *Neuroimage* 2004; 23: 928:935.
 31. Chang L, Lee PL, **Yiannoutsos CT**, Ernst T, Marra CM, Schifitto G, Miller EN, Jarvic J, Kolson D, Gonzalez RG, Navia BA. A Multicenter *in-vivo* proton MRS study of HIV-associated brain injury. *Neuroimage* 2004; 23:1336-1347
 32. Villella AD, Yao J, Getty RR, Juliar BE, **Yiannoutsos CT**, Hartwell JR, Cai S, Sadat MA, Cornetta K, Williams DA, Pollok KE. Real-Time PCR: An

effective tool for measuring transduction efficiency in human hematopoietic progenitor cells. *Mol Ther*, 2005; 11:483-491.

33. Li J, Juliar BE, **Yiannoutsos CT**, Ansari R, Fox E, Fisch MJ, Einhorn LH, Sweeney CJ. Weekly paclitaxel and gemcitabine in advanced transitional cell carcinoma of the urothelium: A Phase II Hoosier Oncology Group study. *J Clin Onc*, 2005; 23: 1185-1191.
34. Li L, Shi H, **Yiannoutsos CT**, Huang T-H-M, Nephew KP. Epigenetic hypothesis tests for methylation and acetylation in a triple microarray system. *J Comp Biol*, 2005; 12:270-390
35. Srour EF, Tong X, Sung KW, Plett PA, Rice S, Daggy J, **Yiannoutsos CT**, Abonour R, Orschell CM. Cytokine modulation of proliferation kinetics and primitive hematopoietic potential on individual CD34⁺CD38^{-/lo} cells in G₀ during successive *in vitro* cell divisions. *Blood*, 2005; 105:3109-16
36. Fakiris AJ, Cardenes HR, Moore DH, Reddy SR, Look KY, **Yiannoutsos CT**, Randall ME. Intraperitoneal radioactive phosphorus (³²P) and vaginal brachytherapy as adjuvant treatment for uterine papillary serous carcinoma and clear cell carcinoma: A Phase II Hoosier Oncology Group (97-1) study. *Gyn Onc*, 2005; 96:818-823
37. Rostasy K, Gorgun G, Kleyner Y, Garcia A, Kramer M, Melanson SM, Mathys J-M, **Yiannoutsos CT**, Skolnik PR, Navia BA. TNF- α leads to increased cell surface expression of CXCR4 in SK-N-MC cells. *J Neurovirol* 2005; 11:247-55.
38. Sweeney C, Liu G, **Yiannoutsos CT**, Kolesar J, Horvath D, Staab MJ, Fife K, Armstrong V, Treston A, Sidor C, Wilding G. A Phase II multicenter, randomized, double-blind, safety, PK, PD, and efficacy study of oral 2-methoxyestradiol in hormone refractory prostate cancer. *Clin Cancer Res*, 2005; 11: 6625-6633
39. Ellis RJ, Evans SR, Clifford DB, Moo L, McArthur JC, Collier AC, Benson C, Bosch R, Simpson D, **Yiannoutsos CT**, Yang Y, Robertson K; Neurological AIDS Research Consortium; AIDS Clinical Trials Group Study Teams A5001 and A362. *J Neurovirol*, 2005; 11:503-11.
40. Wools-Kaloustian K, Kimaiyo S, Diero L, Siika AM, Sidle J, **Yiannoutsos CT**, Musick BS, Einterz RM, Fife KH, Tierney, WM Viability and effectiveness of large-scale HIV treatment initiatives in sub-Saharan Africa: experience from western Kenya. *AIDS*, 2006; 20:41-48.
41. Kurup A, Murry DJ, Dobrolecki L, Estes D, **Yiannoutsos CT**, Mariano L, Sidor C, Hickey R, Hanna N. Recombinant human angiostatin (rhAngiostatin) in combination with paclitaxel and carboplatin in patients with advanced non-small cell lung cancer: a phase II study from Indiana University. *Ann Oncol*, 2006; 17:97-103.

42. Wruck LM, **Yiannoutsos CT**, Hughes, MD. A sequential design to estimate sensitivity and specificity of a diagnostic test. *Stat Med*, 2006; 25:3458-3473
43. Matei D, Emerson RE, Lai YC, Baldrige LA, Rao J, **Yiannoutsos C**, Donner DD. Autocrine activation of PDGFR α promotes the progression of ovarian cancer. *Oncogene*, 2006; 25:2060-2069
44. Schifitto G, **Yiannoutsos CT**, Simpson D, Navia BA. A Placebo-controlled study of memantine for the treatment of HIV-associated sensory neuropathy. *J Neurovirol*, 2006; 12:328-331
45. Nyandiko WM, Ayaya S, Nabakwe E, Tenge C, Sidle JE, **Yiannoutsos CT**, Musick BS, Kigotho E, Wools-Kaloustian K, Tierney WM. Outcomes of HIV-infected children on anti-retroviral therapy at AMPATH HIV clinics in Western Kenya. *JAIDS*, 2006; 43:418-425
46. Timmerman R, McGarry R, **Yiannoutsos C**, Papiez L, Tudor K, DeLuca J, Ewing M, Abdulrahman R, DesRosiers C, Williams M, Fletcher J. Excessive toxicity when treating central tumors in a phase II study of stereotactic body radiation therapy for medically inoperable early-stage lung cancer. *J Clin Oncol*, 2006; 24:4833-4839.
47. Suvannasankha A, Fausel C, Juliar BE, **Yiannoutsos CT**, Fisher WB, Ansari RH, Wood LL, Smith GG, Cripe LD, Abonour R. Final report of Toxicity and Efficacy of a Phase II Study of Oral Cyclophosphamide, Thalidomide, and Prednisone (CTP) for Patients with Relapsed or Refractory Multiple Myeloma: A Hoosier Oncology Group Trial: HEM01-21. *Oncologist*, 2007; 12:99-106.
48. Odero, W, Rotich, J, **Yiannoutsos CT**, Ouna T, Tierney WM. Innovative approaches to application of information technology in disease injury surveillance and prevention in Western Kenya. *J Biomed Inform*, 2007; 40:390-397.
49. Yip-Schneider MT, Wu H, Ralstin M, **Yiannoutsos C**, Crooks PA, Neelakantan S, Noble S, Nakshatri H, Sweeney CJ, Schmidt CM. Suppression of pancreatic tumor growth by combination chemotherapy with sulindac and LC-1 is associated with cyclin D1 inhibition *in vivo*. *Mol Can Therapeutics*, 2007; 6:1736-1744.
50. Schmidt CM, White PB, Waters JA, **Yiannoutsos CT**, Cummings OW, Baker M, Howard TJ, Zyromski NJ, Nakeeb A, DeWitt JM, Akisik FM, Sherman S, Pitt HA, Lillemoe KD. Intraductal Papillary Mucinous Neoplasms: Predictors of Malignant and Invasive Pathology. *Ann Surg*, 2007; 246: 644-654.
51. Nyandiko WM, Greenberg D, Shany E, **Yiannoutsos CT**, Musick B, Mwangi AW. Nasopharyngeal streptococcus pneumoniae among under-five year old children at the Moi Teaching and Referral Hospital, Eldoret, Kenya. *East Afr Med J*. 2007; 84:156-62.

52. Paul R, **Yiannoutsos CT**, Miller EN, Singer E, Lee, P-L, Chang L, Marra CM, Schifitto G, Ernst T, Richards T, Jarvik J, Price R, Meyerhoff DJ, Kolson D, Ellis RJ, Gonzalez RG, Lenkinski R, Cohen RA, Navia BA. Proton MRS and Neuropsychological Correlates in AIDS Dementia Complex: Evidence of Subcortical Specificity. *J Neuropsychiatry Clin Neurosci*, 2007; 19:283-292.
53. Schifitto G, Navia BA, **Yiannoutsos CT**, Marra CM, Chang L, Ernst T, Jarvik JG, Miller EN, Singer EJ, Ellis RJ, Kolson DL, Simpson D, Nath A, Berger J, Shriver SL, Millar LL, Colquhoun D, Lenkinski R, Gonzalez RG, Lipton SA; Adult AIDS Clinical Trial Group (ACTG) 301; 700 Teams; HIV MRS Consortium. A phase II trial of memantine for HIV-associated cognitive impairment: A neuropsychological and proton MRS study. *AIDS*, 2007; 21(14):1877-1886.
54. **Yiannoutsos CT**, Nakas CT, Navia BA. Assessing multiple-group diagnostic problems with multi-dimensional receiver operating characteristic surfaces: Application to HIV-related neurological injury. *Neuroimage*, 2008; 40: 248-255.
55. Yu M, **Yiannoutsos CT**. Bivariate sequential design for Phase II trials with trade-off. *J JP Biostat* 2008; 1: 175-195
56. Sinclair E, Ronquillo R, Lollo N, **Yiannoutsos CT**, Deeks SG, Hunt P, Spudich S, Price RW. Antiretroviral treatment effect on immune activation reduces cerebrospinal fluid HIV-1 infection. *JAIDS*. 2008; 40:248-255.
57. Henderson M, McGarry R, **Yiannoutsos CT**, Fakiris A, Hoopes D, Williams M, Timmerman R. Baseline pulmonary function as a predictor for survival and decline in pulmonary Function over time in patients undergoing stereotactic body radiotherapy for the treatment of stage I non-small cell lung cancer. *Int J Rad Oncol Biol Phys*. 2008; 72:404-409
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III. Non-refereed publications

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IV. Manuscripts in preparation

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12. Qian T, Frangakis C, **Yiannoutsos C**. Deductive semiparametric estimation in double-sampling designs

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