

J. Andrew Skirvin, Pharm.D., R.Ph., BCOP

PERSONAL INFORMATION

University Address:

Northeastern University
Bouve College of Health Sciences
School of Pharmacy
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Boston, MA, 02115
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Home Address:

124 Corinthian Drive
Lowell, MA 01854

917-755-8592 cell

Pharmacist Licenses:

Oregon: 8352
Massachusetts: 27315

EDUCATION

Oncology and Hematology Pharmacy Specialty Residency, Audie L Murphy Memorial Veterans Hospital and the University of Texas Health Science Center at San Antonio, June 1996.

Doctor of Pharmacy, The University of Texas at Austin and The University of Texas Health Science Center at San Antonio, June 1995.

Bachelor of Science in Pharmacy, Oregon State University, *Summa Cum Laude*, March 1992.

PROFESSIONAL PRACTICE EXPERIENCE

August 2007 to present	Associate Clinical Professor Northeastern University, School of Pharmacy, Boston, Massachusetts Co-appointment: Hematology/Oncology Clinical Pharmacist, Dana Farber Cancer Institute & Brigham & Women's Hospital, Boston, MA
2017-Present	Lowell General Hospital, Per Diem Hospital Pharmacist
2008-2017	Walgreens Per Diem Pharmacist
September 2002 August 2007	Associate Clinical Professor with tenure St. John's University, College of Pharmacy and Allied Health Professions Queens, New York
August 1996 to Present	Oncology/Hematology Clinical Pharmacist Preceptor North Shore University Hospital Manhasset, New York
August 1996 - September 2002	Assistant Clinical Professor St. John's University, College of Pharmacy and Allied Health Professions Jamaica, New York

July 1995 – June 1996	Oncology and Hematology Pharmacy Resident and Clinical Instructor Audie L. Murphy Memorial Veterans Hospital/UTHSCSA San Antonio, Texas
July 1993- June 1995	Hospital Pharmacist, University Hospital San Antonio, Texas
August 1992 - June 1993	Hospital Staff Pharmacist, Oregon Health Sciences University Portland, Oregon

ADMINISTRATIVE & SERVICE EXPERIENCE

Dates	Administrative Body	Function
2017-present	Department Chair Search Committee, Department of Pharmacy & Health System Sciences	Chair
2017-present	Strategic Planning for the school of Pharmacy	Leader
2017-present	Bouve Committee for Non-tenure Track Promotion	Member
2016-Present	Dana Farber Cancer Institute, OB/GYN Pathways Committee	Member
2016-17	Dana Farber Cancer Institute, Head & Neck Pathways Committee	Member
2016-present	Walgreen's Specialty Pharmacy PGY-1 Community Pharmacy Residency Program	Faculty Coordinator
2017-present, 2012-2015	SNPHA student organization	Advisor
2015-present	Executive Committee, School of Pharmacy	Member
2008-present	Dana Farber Cancer Institute, PGY-2 Pharmacy Committee	Member
2008-present	Dana Farber Cancer Institute, Clinical Pharmacy Committee	Member
2007-present	Portfolio Advisor, School of Pharmacy	Advisor for 1 st -5 th year students
2007-present	Therapeutics/CDM Coordinators Group Department of Pharmacy Practice	Member 2007-present Chair 2010-2012, 2014- 2017
2017-2018 2014-2015	AACP Delegate	Delegate
2014-2017	Professional Affairs Committee, School of Pharmacy Northeastern University	Member
2014-2016	ACPE Self-Study Chairs Committee	Member Chair of Standards 1-3
2015-2016	IPHO student organization	Advisor

2013-2015	Fellowship Coordinator for Medical Affairs and Clinical Research Fellowship partnership between Cubist Pharmaceuticals and Northeastern University	Coordinator
2013-2014	Assessment Committee School of Pharmacy Northeastern University	Member
2009-2012	Research, Scholarship and Mentoring Committee Northeastern University School of Pharmacy	2009-2010 Member 2010-2012 Chair
2008-2012	Interdisciplinary Committee Bouve College of Health Sciences Northeastern University	2008-2009 Member 2010-2012 Chair
2004-2007	Department of Clinical Pharmacy Practice	Department Chair
2004 -2007	Executive Committee, College of Pharmacy and Allied Health Professions	Clinical Pharmacy Practice Representative
2006-2007	University Vincentian Mission Council	Member
2004-2007	Curriculum and Educational Policy Committee, Department of Clinical Pharmacy Practice	Committee Chair
2003- 2004	Department of Clinical Pharmacy Practice	Assistant Department Chair
2003-2007	Personal and Budget Committee, Department of Clinical Pharmacy Practice	Member (2003-2004) Chair (2004-2007)
2002 - 2004	ACPE Steering Committee, College of Pharmacy and Allied Health Profession	Chair
2001-2007	Institutional Review Board, St. John's University	Member (2001 to present) Secretary, October 2001-2007
1998-2003	Pharm.D. Practitioner Option Admissions and Counseling Committee, Department of Clinical Pharmacy Practice	Member (1998-2003; 2004-2007)
1998-2007	Pharm.D. Practitioner Option Program	Graduate Student Advisor

PRESENTATIONS

Update on the Management of Acute Myeloid Leukemia. St. John's University Annual Oncology Conference, April 2018.

Update from MASCC 2017. BCOP recertification webinar sponsored by HOPA, August 2017.

An Update on Rheumatoid Arthritis & Introduction to Psoriatic Arthritis Management. Webinar sponsored by Innovatix, August 2017.

Update on the management of Advanced Non-Small Cell Lung Cancer. Webinar sponsored by Innovatix, July 2017.

Developing professional behaviors, attitudes, and critical thinking with team-based activities via JCPP modeling, Podium Presentation, American Association of Colleges of Pharmacy (AACP) Annual Meeting and Seminars, Sponsoring Organization: AACP, Nashville, Tennessee, July 2017.

Panelists: Van Amburgh, J. A., Orr-Skirvin, J. A., Gonyeau, M. J

Update on the management of Breast Cancer. Webinar sponsored by Innovatix, June 2016.

Managing Nausea and Vomiting in 2016. Webinar sponsored by Innovatix, April 2016.

Update on the management of Nausea and Vomiting. St. John's University Annual Oncology Conference, April 2016.

Immunoglobulin use in the hematology/oncology population. HOPA Annual Conference, Austin, TX, March 2015.

The pharmacist as and immunoglobulin steward, professional development, Hackensack Medical Center Pharmacy, March 2015.

Pain Management in an Era of Abuse, Northeastern University Continuing Education, Quincy MA, Lynnfield MA, Westport MA, Pittsfield MA, 2014.

CLL Update, Webinar sponsored by Innovatix, August 2014.

Oral Mucositis Management Overview, HOPA Annual Conference, New Orleans LA, March 2014.

Rheumatoid Arthritis Update. Webinar sponsored by Innovatix, October 2013.

Rheumatoid Arthritis Management, Northeastern University Continuing Education, Quincy MA, Lynnfield MA, Westport MA, Pittsfield MA, 2013.

CLL Update on New Therapies. Webinar sponsored by Innovatix, April 2012 and Live CE sponsored by St. John's University, April 2013.

Oral Mucositis Pathophysiology, presentation, and management, Oral Mucositis Advisory Board, Pittsburgh, PA, October 2012.

Oral Mucositis Management, Oral Mucositis Advisory Board, Philadelphia, PA, September 2012.

Melanoma Review and Update on New Therapies. Webinar sponsored by Innovatix, August 2012.

Douglass M, DiVall M, Skirvin J. Incorporation of High-Fidelity Simulation Learning Experiences into Didactic and Experiential Education. AACP Special Session with Northeastern University, California Northstate University, and University of Pittsburgh, Orlando, FL, July 2012.

Update on Breast cancer management. St. John's University, April 2012.

Skirvin J, Douglass M. Vitrual Patient Simulation. 12th International Meeting on Simulation in Healthcare, San Diego, CA, January 2012.

Monoclonal Antibodies in Hematologic Malignancies, Dana Farber Cancer Institute, December 2011

Melanoma – Management and Treatment from a Pharmacy Perspective, Northeastern University, December 2011

The Intersection between Pain Management and the Law: Implications of State Regulations and REMS Programs, Dana Farber Cancer Institute, December 2011

Oral Adherence from the Pharmacy Perspective, Oral Adherence Panel Presentation and Discussion, Association of Community Cancer Centers, Seattle Washington, September 2011.

New therapies in the management of malignant melanoma. St. John's University, March 2011.

An Update on Renal and Liver Cancer Therapy with Oral Chemotherapy, St. John's University, April 2010.

New Oral Chemotherapy-Efficacy and Safety. Massachusetts Pharmacist Association, April 2010.

New Oral Chemotherapy-Efficacy and Safety. University of Connecticut, December 2009.

Review of Pain Management Guidelines. Northeastern University Continuing Education Program. Pittsfield, Massachusetts November 2009, Boston, Massachusetts December 2009..

An Update on Oral Chemotherapy Agents. Northeastern University Continuing Education Program. Delivered six times through Massachusetts in 2009.

Idiopathic Thrombocytopenia Purpura, March 2009, St. John's University, New York, NY

Evolving Role of the Oncology Pharmacist. Eighth annual oncology symposium, St. John's University, New York, NY March 2008.

Anticoagulation in Oncology Patients. Dana Farber Cancer Institute, Boston, MA, February 2008.

Update on the management of metastatic breast cancer. Seventh annual oncology symposium, St. John's University, New York, NY, March 2007.

Enhancing the Balance of Power in Cancer Treatment and Immune Response. Pharmacy CE presentation, Sponsored by Prime. Tampa, FL April 2006; San Antonio, TX July 2006.

Breast Cancer Update. Sixth annual oncology symposium, St. John's University, New York, NY, March 2006.

Cancer Therapy Induced Bone Loss. Fifth annual oncology symposium, St. John's University, New York, NY, March 2005.

EGFR-TK as a Target for Drug Therapy of Neoplasm. Fourth annual oncology symposium, St. John's University, Jamaica, NY, May 2004.

Preventing Medication Errors in Oncology, Fourth annual oncology symposium, St. John's University, Jamaica, NY, May 2004.

Fatigue in Cancer Patients. What can we do? Third annual oncology symposium, St. John's University, Jamaica, NY, May 2003.

Management of Anemia in the Oncology Patient. Drug Experts, Flushing, NY, June 2002.

- Overview of Complimentary and Alternative Medicine (CAM). Second annual oncology symposium, St. John's University, Jamaica, NY, May 2002.
- Pain Management. Physician assistant symposium, St. John's University, Jamaica, New York, December 2001.
- Complimentary and Alternative Medicine and Breast Cancer, Breast cancer symposium, Adelphi University, School of Nursing, November 2001.
- The pharmacist's role in chemotherapy of cancer patients, Oncology symposium, St. John's University, Jamaica, New York, June 2001.
- Breast Cancer Update. Drug Experts, Elmhurst, New York, May 2001.
- Melanoma and CNS malignancies. ACCP Oncology Review Course, Utah, April 2001.
- Other malignancies: Head & Neck, Bladder, Renal cancers; and sarcoma. ACCP Oncology Review Course, Utah, April 2001.
- Emerging oncologic uses of thalidomide. ASHP midyear meeting, Nevada, December 2000.
- Once weekly versus three times weekly administration of erythropoietin in oncology patients (Poster). Giovaniello J, Skirvin J, Kao E, Lichtman S. ASHP midyear meeting, Nevada, December 2000.
- Preventing medication errors in oncology. Pharmacy Congress, St. John's University, Jamaica, New York, November 2000.
- JCAHO standards and pain management. Royal Counties New York State Health-System Pharmacists, New York, June 2000. Repeated for Long Island Society, New York, January 2001.
- Oncologic emergencies. Pharmacotherapy series, Nassau County Medical Center, New York, April 2000.
- Pain management. Continuing education program, St. John's College of Pharmacy and Allied Health Professions, New York, October 1999.
- Opportunities for pharmacists with palliative care patients. Visiting pharmacists from Germany, sponsored by Boehringer Ingelhiem Inc. and Beth Israel Medical Center, New York, December 1998.
- Oncology Therapeutic Update. Ortho Biotech, Warren, New Jersey, December 1997.

Empiric antibiotic therapy of the febrile neutropenic patient. St. John's College of Pharmacy and Allied Health Professions continuing education program,, New York, August 1997.

Safety issues of chemotherapy administration. Oncology conference, North Shore Health System, New York, April 1997.

Oncologic issues in the HIV positive patient. St. John's College of Pharmacy and Allied Health Professions continuing education program, New York, February 1997.

PUBLICATIONS

Journal Articles, Chapters, Other Referred Publications

Skirvin JA. Pharmacist Forum – Crizotinib (Xalkori®). Oncology Times, 2017;39(24):30.

Skirvin JA, Kowalczyk, R. Pharmacist Forum – Obinutuzumab (Gazyva®). Oncology Times, 2017;39(14):21.

Skirvin J. Principles of Pancreatic Cancer Management. US Pharm 2016;41:HS9-14.

Gong L, Wooley M, Glasser C, Bumpass J, Sekab J, Skirvin J. Rheumatoid Arthritis: aggressive new treatment guidelines. US Pharm. 2014;39(11)(Specialty&Oncology suppl):3-7.

Palchak M, Sahni J, Desai N, Randhawa A, McGinty L, Skirvin J. Vancomycin Resistant Enterococcus. US Pharm. 2014;39(8):HS1-HS8.

Leblebjian H, DeAngelo DJ, Skirvin JA, et. Al. Predictive factors for all-trans retinoic acid-related differentiation syndrome in patients with acute promyelocytic leukemia [Leuk Res.](#) 2013 Jul;37(7):747-51.

Skirvin JA, King A. Adult CNS Malignancies: Update on Adult Brain Tumors. US Pharm. 2013;38(3)(Oncology suppl):3-7.

Douglass MA, Casale JP, Skirvin JA, Divall MV. A Virtual Patient Software Program to Improve Pharmacy Student Learning in a Comprehensive Disease Management Course. A J Pharm Ed 2013;77;article 172.

Skirvin JA. Focus on Eltrombopag. Formulary 2008;43:356-65.

Skirvin JA, Patel P. Update on FDA approvals and selected investigational agents. Newsletter, Hematology/Oncology Pharmacy Association, HOPA News, Winter 2006;5-7.

- Skirvin JA. Chapter 44, Thrombocytopenia. In Tisdale JE, Miller, DA, editors. Drug-Induced Diseases, prevention, detection, and management. American Society of Health-System Pharmacists. Bethesda, MD; 2005:649-60.
- Skirvin JA, Lichtman SM: Pharmacokinetic considerations of oral chemotherapy in elderly cancer patients. *Drugs Aging* 2002;19:25-42.
- Skirvin JA. Melanoma: current detection and management strategies. *US Pharmacist Health-System edition* 2001;Supplement September:17-28.
- Skirvin JA, Vemulapalli S, Lichtman SM: Pharmacology of antineoplastic agents in older cancer patients. *Oncology Spectrum* 2001;2:404-13.
- Lichtman S, Skirvin JA. Pharmacology of antineoplastic agents in older cancer patients. *Oncology* 2000;14:1743-55
- Skirvin JA. Topotecan. *CancerRX in Cancer Therapeutics* 1999;2:121-5.
- Castanheira D, Marzella M, Skirvin JA. Administration of filgrastim in two patients with drug-induced agranulocytosis. *Pharmacotherapy* 1998;18:1347-51.
- Skirvin JA, Relias V. Topoisomerase Inhibitors: 2. Irinotecan. *J Oncol Pharm Practice* 1998;4:103-16.
- Skirvin JA, Valley AW, Relias V, Morris AK. 6-Mercaptopurine hepatotoxicity during acute lymphocytic leukemia maintenance therapy. *J Oncol Pharm Practice* 1998;4:117-20.
- Skirvin JA, Brocavich JM. IV Immunoglobulin Therapy in Immunosuppressed Patients. *US Pharmacist health-system edition* 1998;23:HS-37-48.
- Relias V, Skirvin JA. Topoisomerase I inhibitors: 1. Topotecan. *J Oncol Pharm Practice* 1997;3:173-85.
- Skirvin JA, consultant. Nurse ProCalc: make-a-test, version 2.0. Microsoft Windows 3.1, Windows 95 compatible. In: Brown P, Brown ED. *Nurse ProCalc: make-a-test, version 2.0*. Chapel Hill: Professional Development Software, 1997, Updated in 2005.
- Skirvin JA. Kaposi's sarcoma: new treatment options. *Newsletter, Long Island Society of Hospital Pharmacists* 1997 April;27(8):1-2.
- Skirvin JA, Relias V, Koeller J. Long-term sequelae of chemotherapy. *Highlights in Oncology Practice* 1996;14:26-34.
- Skirvin JA. Morphine use in renal failure. *Newsletter, Long Island Society of Hospital Pharmacists* 1996 September;27(1):1.

Skirvin A. New Drug: Gabapentin (newsletter). Current Therapeutic Issues 1994 November; 9(1):1.

Skirvin A, Knodel LC. Efficacy of desipramine in attention deficit hyperactivity disorder (Drug Consult). In: Gelman CR, Rumack BH, editors. Drugdex[®] Information System. Denver: Micromedex, Inc., 1994.

Skirvin A, Kraynak MA. Role of cisapride in the therapy of chronic intestinal pseudo-obstruction in pediatrics (Drug Consult). In: Gelman CR, Rumack BH, editors. Drugdex[®] Information System. Denver: Micromedex, Inc., 1994.

Wanke LA, Skirvin JA. Physostigmine Therapy of Intrathecal Baclofen Overdose (Drug Consult). In: Gelman CR, Rumack BH, editors. Drugdex[®] Information System. Denver: Micromedex, Inc., 1992.

Abstracts and Posters

Baumann, A, Skirvin, J. A., Yoon, R., Poliskey, K, Ryan V. Pharmacists' role in an interdisciplinary team-based care approach to the treatment of opioid use disorder at a community health center, ASHP Midyear Meeting, Orlando, FL, December 2017.

Kornecki, P., Orr-Skirvin, J. A., Yoon, R., Poliskey, K. Implementing a collaborative partnership model to assist in the transitions of care for patients receiving oral chemotherapy. Annual Meeting, National Association of Speciality Pharmacy, Washington DC, Conference, National, Invited. September 20, 2017,

Kornecki, P., Skirvin, J. A., Yoon, R., Poliskey, K. Implementing a collaborative partnership model to assist in the transitions of care for patients receiving oral chemotherapy, ASHP Midyear Meeting, Las Vegas, NV, December 7, 2016.

Moura, M., Skirvin, J. A. Assessing the interpretation and implementation of USP chapter 797 in institutions throughout New England, ASHP Midyear Meeting, Las Vegas, NV, December 5, 2016.

Boehm, j., Chan, Skirvin, J. A. L. Evaluation of P3 pharmacy students' perceptions and knowledge regarding herbal supplements, ASHP Midyear Meeting, Las Vegas, NV, December 5, 2016.

Mikulca J, Backo J, Skirvin J. : Innovative Pharmaceutical Industry Elective Design & Outcomes. AACP Annual Meeting, National Harbor, MD, July 2015.

Hackenyos D, Skirvin J, Scullion B, Bartel S. Evaluation of the transition to nanoparticle albumin-bound (nab) paclitaxel versus paclitaxel desensitization following paclitaxel hypersensitivity reaction. HOPA Annual Meeting, Austin, TX, March 2015.

Donahue C, Perry L, Bartel S, Jackman D, Elfiky A, Kaymakcalan M, Arnaout A, Shulka S, Harris C, Skirvin J, Vaidya C, McCormack C, Murphy K, Jacobson J, Dalby C. Standardizing risk: Development of disease and regimen-specific side effect

- language to enhance consent and chemotherapy treatment plan. *J Clin Oncol* 32, 2014 (suppl 30; abstr 162)
- Skirvin JA, Van Amburgh JA, Watanabe M, Gonyeau M. A new look at remediation for P2 and P3 year pharmacy students for a core comprehensive disease management course. New England Pharmacists Convention, September 2013.
- Douglass, M, Casale, J, Skirvin, JA, DiVall. Impact of a virtual patient pilot program on student pharmacists' learning outcomes. American College of Clinical Pharmacists Annual Meeting. October, 2012. Hollywood, FL
- DiVall, M., Van Amburgh, J., Derderian, C., Gingras, D., Barr, J., Chou, C., Douglass, M., Edwards, R., Kirwin, J., Rickles, N., Skirvin, J., Zgarrick, D. An inventory of interprofessional activities and collaborations at Northeastern University School of Pharmacy. American Association of Colleges of Pharmacy Annual Meeting. July, 2012. Orlando, FL.
- Carlstrom K, McDonnell A, Skirvin J, et al. Pharmacist discharge counseling following hematopoietic stem cell transplant: A descriptive study evaluating time involved and pharmacist impact. HOPA meeting, March 2012.
- Skirvin JA, Douglass MA. Virtual Patient Simulation Pilot Program for Doctor of Pharmacy Students, 12th International Meeting on Simulation in Healthcare, San Diego, CA, January 2012, Poster.
- Kirwin J, DiVall M, Douglass M, Gonyeau M, Jacobs M, McQueeney M, Skirvin J, Van Amburgh J, Watanabe M, Zgarrick D. Curricular Revision Incorporating Pathophysiology, Pharmaceutical Care Skills, Self-Care, and Therapeutics to Enhance Content Delivery . ACPE Summer Meeting, July 2011, Poster.
- Leblebjian H, McDonnell A, Skirvin J, et al. Predictive Factors for All-Trans-Retionic acid and differentiation syndrome in Acute Promyelocytic leukemia, HOPA meeting, New Orleans, March 2010, Abstract HR-18.
- Ni J, McDonnell A, Skirvin JA. Evaluation of Ovarian Suppression to Prevent Blood Loss in Oncology and/or Hematopoietic Stem Cell Transplant (HSCT) Patients with Thrombocytopenia. Hematology Oncology Pharmacists Association Conference, Miami, Florida, June 2009, Abstract TR20.
- Gonyeau MJ, Skirvin JA, Chandler D, Rio M, DiVall MV. Establishing Validity of an Oral Presentation Evaluation Rubric. AACP Annual Conference, Boston, MA, July 2009, Poster.

- Skirvin JA, Gorowski E, D'Olimpio JT. Promoting in-patient pain management at a university hospital with comprehensive needs assessment. Proceedings of ASCO 2001;20:304b.
- Skirvin JA, D'Olimpio JT, Gorowski E. Pain assessment survey of adult oncology admissions: a performance improvement project (Abstract). Proceedings of ASCO 2000,19:640a.
- Stirling A, Kao E, Skirvin J, Hirsch B. Impact of pharmacist-run aminoglycoside once daily program in a tertiary teaching institution (Abstract). Pharmacotherapy 1999;19:517.
- Skirvin JA, Lichtman SM, Negri A, et al. Pharmacist intervention program monitoring filgrastim use in hospitalized patients (Abstract 2252). Proceedings of ASCO 1999;18:583a.
- Taibbi R, Kao E, Skirvin JA, et al. Development of an performance improvement program to increase the safety of chemotherapy administration (Abstract 2343). Proceedings of ASCO 1999;18:607a.
- Stirling A, Kao E, Skirvin J, Hirsch B. Impact of pharmacist-run aminoglycoside once daily program in a tertiary teaching institution (Abstract). Pharmacotherapy 1999;19:517.

GRANTS

- Bioverativ Post-Pharm.D. Fellowship Grant to start July 2018.
Educational grant for Post-Pharm.D. Fellowship training 2018-2020 for 2 fellows
Total budget: \$223,775
Role: Principal Investigator & Fellowship Coordinator contributing 20% of the training
- Tetraphase Post-Pharm.D. Fellowship Grant to start July 2018.
Educational grant for Post-Pharm.D. Fellowship training.
Role: Principal Investigator & Fellowship Coordinator contributing 20% of the training
- Alkermes Post-Pharm.D. Fellowship Grant to Start July 2018.
Educational grant for Post-Pharm.D. Fellowship training.
Role: Principal Investigator & Fellowship Coordinator contributing 20% of the training
- Cubist Post-Pharm.D. Fellowship Grant
Educational grant for Post-Pharm.D. Fellowship training 2014-2015 for 8 fellows.
Total Budget: \$797,535
Role: Fellowship Coordinator contributing 20% of the training

Cubist Post-Pharm.D Fellowship Grant

Educational grant for Post-Pharm.D. Fellowship training for 2013-2014 for 5 fellows

Total Budget: \$462,489

Role: Fellowship Coordinator contributing 20% of the training

Amgen unrestricted grant, St. John's University & Northshore University Hospital, 1998

Total Budget: \$25,000

Role: Principal Investigator

TEACHING RESPONSIBILITIES

University	Graduate Courses	Undergraduate Courses
Northeastern University		PHMD 5575, Pharmaceutical Industry, 2014-present PHMD 4581, Cancer Chemotherapy, 2009-present PHMD 4621, Comprehensive Disease Management 2, 2014-present PHMD 4631, Comprehensive Disease Management 3, 2014-present PHMD 4641, Comprehensive Disease Management 4, 2014-present PHMD 1000, Introduction to College, 2010-15 PHMD 6267, Comprehensive Disease Management 7, 2010-2013 PHMD 6255, Comprehensive Disease Management 5, 2013
St. John's University	CPP 302, Advanced Therapeutics II, 1996-present CPP 357, Oncology Elective Rotation, 1996 to present CPP 215, Cancer Chemotherapy, 1997 to 2004 CPP 221, Human Nutrition, 2001 & 2003	PHR 1101, SJU Experience/Shadowing, 1998-2007 PHR 4106, Drugs & Diseases of the Kidney and Electrolytes, 2004-2006 PHR 5108, Drugs & Neoplastic Diseases, 2001 to 2007 PHR 5109, Drugs & Diseases of the Hematopoietic System, 2000 to 2006 PHR 5403 & PHR 5405, Inpatient Clerkship I & II, 2001 to 2007 CPP 5103, Therapeutics, 1996 to 2000 CPP 6102 Prevention & Management of Drug Induced Diseases, 2002 to 2007

PROFESSIONAL ORGANIZATIONS

American Association of College's of Pharmacy
American Society of Health-System Pharmacists
Hematology Oncology Pharmacists Association

RELATED ACTIVITIES

Teamwalk for CancerCare, Lowell General Hospital Cancer Center
Catwalk for CancerCare Fundraiser for cancer patient needs
2018 event raised \$69,000
2017 event raised \$63,000
2016 event raised \$59,000
2015 event raised \$30,000
2014 event raised \$22,000
2012-13 events raised \$9,754

BPS Specialty Council on Oncology Pharmacy 2007-2012

- ❖ Vice-Chair 2009-2011
- ❖ Chair 2012

Hematology/Oncology Pharmacy Association

- Research Committee Reviewer 2016
- Program Committee
 - Member 2015
- Publication Committee
 - Member 2005-2006
- Professional Affairs Committee
 - Vice Chair 2007
 - Chair 2008
 - Member 2007-2009
 - Moderator for Interest Groups
 - Palliative Care HOPA meeting 2009
 - Ambulatory Care HOPA meeting 2008 & 2007

Skirvin JA, advisory board. *Gale Encyclopedia of Cancer: A Guide to Cancer and its Treatments*.
2 volumes. Ellen Thackery, ed. Detroit: Gale Group, Thompson Learning, 2002.

Cancer and Leukemia Group B

Appointed to National Pharmacy Committee 1999 to 2005

Reviewer for: Pharmacotherapy, a pathophysiologic approach, Acute Myeloid Leukemia, 2014.

Reviewer for US Pharmacist from 2000 to present

Reviewer for Annals of Pharmacotherapy from 1998 to present