

**Department of Pharmacy Practice
Semi-Annual Report
June 2011 – December 2011**

FACULTY PROMOTED

Susan L. Davis to Associate Professor (Clinical)
Candice L Garwood to Associate Professor (Clinical)
Pram Kale-Pradhan to Professor (Clinical)
Dennis Parker, Jr. to Associate Professor (Clinical)
Carol Stutrud to Assistant Professor (Clinical)

FACULTY APPOINTED

Paul Kilgore, MD, MPH to Associate Professor. Paul completed undergraduate (B.S., psychobiology, 1985) and graduate studies (M.P.H., Epidemiology, 1987) at the University of Michigan in Ann Arbor.

FACULTY RETIRED

David J Edwards
Geraldynn B. Smith

GRANTS FUNDED

Principal/Co-Principal Investigator

Martin ET has received the 2011-12 AACP New Investigator Award for the project titled "Influenza & Obesity: A Prospective Study of Patient Outcomes and Antiviral Resistance"

Pinelli N, Rhoney DH, Intravenous Exenatide Infusion in Critically Ill Neurologic Injured Patients: A Proof of Concept Study (concept approved 12/2011): \$114,729 Amylin Pharmaceuticals (Principal Investigator)

Pinelli N (principal investigator) Francine Salinitri, Emily Martin and Dr. Anita Patel M.D.(co-investigators) Effect of Liraglutide on Tacrolimus Pharmacokinetics in Renal Transplant Recipients Funding Pending (concept approved 12/2011): \$10,000 Wayne State University – EACPHS Faculty Research Award Program

Rhoney DH. (PI), Pharmacokinetics and Clinical Response of Tolvaptan in Neurocritical Care Patients Funded \$90,425 Otsuka Pharmaceuticals

Rybak MJ. Principal Investigator: Evaluation of ceftaroline activity versus vancomycin against vancomycin intermediate methicillin-resistant Staphylococcus aureus in an in vitro model. Cerexa/Forest Laboratories. \$104,370.00

Rybak MJ. (PI), "Daptomycin plus Ceftriaxone Against Daptomycin Susceptible and Resistant Enterococcus Faecium: An Evaluation of a Novel Antibiotic Combination in an In Vitro PK/PD Model with Simulated Endocardial Vegetations." Cubist, \$72,480.55

Rybak MJ. (PI), National Institute of Allergy and Infectious Diseases of the National Institutes, NIH R21 , "Impact of daptomycin dose exposure on Enterococci and Characterization of Resistance" \$429,658

Rybak MJ, Improving Hospital-based Antimicrobial Prescribing towards Reducing Antimicrobial-resistant Hospital Acquired Infections. Funded by Michigan Department of Community Health/Centers for Disease Control for Prevention \$223,490.

Rybak MJ "A Preliminary Eval of the Activity of Ceftaroline Alone or in Combination with Dapto or Vancomycin Against an Isogenic MRSA/VISA Pair in a One-Compartment Pharmacokinetic/Pharmacodynamic Model", Forrest Pharmaceuticals, \$35,811.51.

Salinitri F, Morbitzer K, Ross K, Diamond L. "An Observational Prospective Registry to Identify Demographic and Clinical Characteristics of Patients Hospitalized with Euvolemic and Hypervolemic Hyponatremia and Assess the Comparative Effectiveness of Available Treatments and the Impact on Resource Utilization." Sponsored by Otsuka American, \$18,682.50.

Taylor T, Frequency of Prescription Problems Requiring Pharmacy-Prescriber Interactions: A Pilot Study (w/ Nancy Lewis), \$25,465, Southeast Michigan Beacon Community

Tutag Lehr V, Analgesic use and adverse effects in patients over 50 with chronic moderate to severe neck pain. (concept approved 12/2011): \$9,980 Wayne State University – EACPHS Faculty Research Award Program (Co- Principal Investigator)

Co-Investigator

Keith Kaye (Principal Investigator), **Martin ET** (Co-Investigator) Bathing hospitalized dependent patients with disposable washcloths instead of traditional bath basins: an innovative method to reduce risk for hospital-acquired infection by eliminating an environmental reservoir of multi-drug resistant pathogens, Investigator initiated study. Sage Products, Inc, \$210,000

MANUSCRIPTS PUBLISHED

Dotson B, **Slaughter RL**, Prevalence of Articles with Honorary Authors and Ghost Authors in 2009 in 3 Pharmacy Journals, Am J Health Syst Pharm. 2011 Sep 15;68(18):1730-4.

Garwood CL, Hwant JM, **Moser LR**. Striking a balance between the risks and benefits of anticoagulation bridge therapy in patients with atrial fibrillation: Clinical updates and remaining controversies. Pharmacotherapy 2011;31:1208-1220.

Hayakawa K, Marchaim D, Vidailac C, Lephart P, Pogue J.M., Sunkara B, Kotra H, Hasan A, Shango M, Yerramalla Y, Osunlana A.M., Chopra T, Dhar S, Salimnia H, **Rybak M.J.**, Kaye K.S. Growing Prevalence of Vancomycin-Resistant Enterococcus faecalis in Region with the Highest Prevalence of Vancomycin-Resistant Staphylococcus aureus. Infection Control and Hosp Epidemiology. 2011 Sept; 32(9): 922-924.

Hurren KM, Berlie HD. Lorcaserin: an investigational serotonin 2C agonist for weight loss. Am J Health Syst Pharm. 2011 Nov;(68)21:2029-37.

Hurren KM, Pinelli NR. Drug-Drug Interactions with Glucagon-Like Peptide-1 Receptor Agonists. *Ann Pharmacother – In Press*.

Hwang JM, **Taylor TN**, Sharma KP, Clemente JL, **Garwood CL**. Bridging for an isolated subtherapeutic INR: an evaluation of clinical practice patterns, outcomes, and costs from an anticoagulation clinic. *J Thromb Thrombolysis*. 2011 Sep 30. [Epub ahead of print]

Hwang JM, Clemente J, Sharma KP, **Taylor TN**, **Garwood CL**. Transportation cost of anticoagulation clinic visits in an urban setting. *J Manag Care Pharm*. 2011 Oct;17(8):635-40.

Kleinow ME, **Garwood CL**, Clemente JL, Whittaker P. Effect of chronic kidney disease on warfarin management in a pharmacist-managed anticoagulation clinic. *J Manag Care Pharm*. 2011 Sep;17(7):523-30.

Kullar R, **David SL**, Levine DP, Zhao JJ, Crank CW, Segreti J, Sakoulas G, Cosgrove SE, **Rybak MJ**. High-dose daptomycin for treatment of complicated gram-positive infections: A large, multicenter, retrospective study. *Pharmacotherapy* 2011;31:527-536.

Kullar R., Chin JN, Edwards DJ., **Parker D.**, Coplin WM. **Rybak M.J.** Pharmacokinetics of single-dose daptomycin in patients with suspected or confirmed neurological infections. *Antimicrobial Agents Chemotherapy*. 2011 (July);55:3505-9.

Kullar R, Leonard SN, **Davis SL**, Delgado G, Pague JM, Wahby KA, Falcione B, **Rybak MJ**. Validation of the effectiveness of a vancomycin nomogram in achieving target trough concentrations of 15-20 mg/L suggested by the vancomycin consensus guidelines. *Pharmacotherapy* 2011; 31:441-448.

Lewis N, **Vivian J**. "Helping Those in Need: The Pharmacy Professions Contributions to the Michigan Safety Net," *Journal of the Michigan Pharmacists Association* 49; 2 (April, 2011), <http://michiganpharmacists.org/resources/faqs/michigansafetynet.pdf>. Accessed June 22, 2011.

Liu C., Bayer A., Cosgrove SE., Daum RS., Fridkin SK., Gorwitz RJ., Kaplan SL., Karchmer AW., Levine DP., Murray BE., **Rybak MJ.**, Talan DA., Chambers HF. Clinical Practice Guidelines by the Infectious Diseases Society of America for the Treatment of Methicillin-Resistant *Staphylococcus aureus* in Adults and Children. *Clinical Infectious Diseases*. 2011 (Jan);52:1-38.

LoRanee Braun, Christian Renaud, Mary P. Fairchok, Jane Kuypers, Janet A. Englund, **Emily T. Martin**. Human Parechovirus & Other Enteric Viruses in Childcare Attendees in the Era of Rotavirus Vaccines, *Journal of the Pediatric Infectious Diseases Society*. In press

Lulic-Botica M, Rajpurkar M, **Tutag-Lehr V**, Sabo C, Natarajan G. Fluctuations of anti-Xa Concentrations during maintenance Enoxaparin therapy for Neonatal Thrombosis. *Acta Paediatrica*. 2012 (accepted for publication).

Martin ET, Qin X, Baden H, Migita R, Zerr DM. Randomized double-blind crossover trial of ultraviolet light-sanitized keyboards in a pediatric hospital. *Am J Infect Control*. 2011 Jun;39(5):433-5.

Marchaim D, Perez F, Lee J, Bheemreddy S, Hujer AM, Rudin S, Hayakawa K, Lephart PR, Blunden C, Shango M, Campbell ML, Varkey J, Manickam P, Patel D, Pogue JM, Chopra T, **Martin ET**, Dhar S, Bonomo RA, Kaye KS. Swimming in resistance: Co-colonization with carbapenem-resistant Enterobacteriaceae and *Acinetobacter baumannii* or *Pseudomonas aeruginosa*. *Am J Infect Control*, in press.

Moser LR, Nemerovski CW, Good KL. Use of Prolonged Bivalirudin Infusions Following Percutaneous Coronary Intervention. *Cardiovascular Drugs and Therapy: Volume 25, Issue 3 (2011), Page 267-276.*

Mehta TP, **Smythe MA**, Mattson JC. [Strategies for managing heparin therapy in patients with antiphospholipid antibody syndrome.](#) *Pharmacotherapy.* 2011 Dec;31(12):1221-31.

Mugabo P, Hassan SM, **Slaughter R**, Acute Pharmacokinetics of First Line Anti-tuberculosis Drugs in Patients with Pulmonary Tuberculosis and in Patients with Pulmonary Tuberculosis Co-infected with HIV, *J US-China Med Sci*, in press, 2012.

Munzenberger PJ, Thomas R, Baringhaus S, **Tutag Lehr V.** Pharmacists' Perceived Knowledge and Expertise in Selected Pediatric Topics *J Pediatr Pharmacol Ther* 2011;16:(1)47–54.

Naff N, Williams MA, Keyl PM, Tuhim S, Bullock MR, Mayer SA, Coplin W, Narayan R, Haines S, Cruz-Flores S, Zuccarello M, Brock D, Awad I, Ziai WC, Marmarou A, **Rhoney DH**, McBee N, Lane K, Hanley DF Jr. Low-dose recombinant tissue-type plasminogen activator enhances clot resolution in brain hemorrhage: the intraventricular hemorrhage thrombolysis trial. *Stroke.* 2011 Nov;42(11):3009-16

Nemerovski CN, Lekura J, Kalus JS. Understanding atrial fibrillation, disease progression, management options, and patient-clinician communication. *Patient Intelligence* 2011;3:57–62

Peacock WF, Hilleman DE, Levy PD, **Rhoney DH**, Varon J. A systematic review of nicardipine versus labetalol for the management of hypertensive crises, submitted to *Am J Emerg Med* 2011 Sep 9 [EPUB ahead of print]

Patel D, Hussain M, Vidailac C, Steed ME, **Rybak MJ**, Seo SM, Kaatz GW Mechanisms of in-vitro-selected daptomycin-non-susceptibility in *Staphylococcus aureus* *Int J Antimicrobial Agents.* 2011 Nov; 38(5): 442-6

Pinelli NR, Jantz A, Martin ET, **Jaber LA.** Sensitivity and Specificity of Glycated Hemoglobin as a Diagnostic Test for Diabetes and Pre-Diabetes in Arab-Americans. *J Clin Endocrinol Metab.* 2011 – doi:10.1210/jc.2011-1148

Pinelli NR, Brown MB, Herman WH, **Jaber LA.** Family Support is Associated with Success in Achieving Weight Loss in a Group Lifestyle Intervention for Diabetes Prevention in Arab-Americans. *Ethn Dis.* 2011 – In Press

Pinelli NR, Hurren KM. Efficacy and Safety of Long-Acting Glucagon-Like Peptide-1 Receptor Agonists Compared with Exenatide Twice Daily and Sitagliptin in Type 2 Diabetes Mellitus: A Systematic Review and Meta-Analysis (July/August). *Ann Pharmacother.* 2011 Jul 5. [Epub ahead of print]

Pinelli NR, Nemerovski CW, Koelling TM. Successful Long-Term Use of Sitagliptin for the Treatment of New-Onset Diabetes Mellitus After Solid Organ Transplantation: A Case Report. *Transplant Proc.* 2011;43:2113-2115.

Pinelli NR, Jones M, Smith Z, Monday L., Rhoney DH. Safety and Efficacy of Glucagon Like Peptide-1 Receptor Agonists in Critically Ill Patients. *Ann Pharmacother* 2011;

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Rhoney DH, Moser LR. Angiotensin receptor blockers following acute stroke. *Expert Rev Cardiovasc Ther.* 2011 Jun;9(6):691-6.

Salintri FD, Hsaiky L, Pinelli NR. Hepatitis C Virus Infection Complicated by Kidney Disease. *Nephro Urol Mon.* 2011 – In Press

Salintri FD, O’Connell ME, Garwood CL, Tutag-Lehr V, Abdallah K. Evaluation of Student and Faculty Opinions and Student Performance on an Objective Structured Clinical Examination (OSCE) to Assess Problem-Based Learning. *AJPE 2011, in press.*

Slaughter RL, Translation of Pharmacogenetics to Practice: What Will it Take?, *Expert Reviews in Clinical Pharmacology 2012, in press.*

Smythe MA, Koerber JM, Dalteparin in critically ill patients(Letter) *New Engl J Med* 2011; 365 (2):179-180

Soon Ae Kim, Paul E. Kilgore, Sang-Yi Lee, Batmunkh Nyambat, and Moran Ki. Trends of Pneumonia and Influenza-associated Hospitalizations in South Korea, 2002-2005. *Journal of Health, Population and Nutrition, December 2011.*

Steed M., Vidailiac C., **Rybak MJ.** Evaluation of Ceftaroline activity versus daptomycin against daptomycin-nonsusceptible methicillin-resistant *Staphylococcus aureus* strains in an in vitro pharmacokinetic/pharmacodynamic model. *Antimicrobial Agents Chemotherapy.* 2011 (July);55:3522-6

Steed, M.E., Vidailiac C, Rose W.E., Winterfield P, Kaatz G.W., **Rybak M.J.** “Characterizing Vancomycin-Resistant *Enterococcus* strains with various mechanisms of daptomycin resistance developed in an *In-Vitro* pharmacokinetic/pharmacodynamic model” *Antimicrobial Agents and Chemotherapy.* Oct 2011 55(10): 4748-4754.

Steed ME, Vidailiac C, **Rybak MJ.** Evaluation of Telavancin Activity versus Daptomycin and Vancomycin Against Daptomycin Non-susceptible *Staphylococcus aureus* in an in vitro Pharmacokinetic/Pharmacodynamic Model *Antimicrobial Agents and Chemotherapy* Nov 28 2011. Epub ahead of print

Taylor TN, Farkouh RA, Graham JB, et al. Potential reduction in neural tube defects associated with use of Metafolin-fortified oral contraceptives in the United States. *Am J Obstet Gynecol* 2011;205:460.e1-8.

Tutag Lehr V. “Make the Pain Go Away” Pediatric Pain Management: Update for Pharmacists, Part II: Non- Opioid Analgesics. *Michigan Pharmacist* 2011; 50: June/July:12. Published on-line: <http://www.michiganpharmacists.org/education/online/pediatricpainpart2.pdf>

Vidailiac C., Steed ME & **Rybak M.J.*** Impact of dose de-escalation and escalation on daptomycin’s pharmacodynamics against clinical methicillin-resistant *Staphylococcus aureus* in an in vitro model. *Antimicrobial Agents Chemotherapy.* 2011(May);55:2160-65.

Vidaillac C, Parra-Ruiz J, Winterfield P, **Rybak M.J.** "In vitro pharmacokinetic/pharmacodynamics activity of NXL103 versus clindamycin and linezolid against clinical *Staphylococcus aureus* and *Streptococcus pyogenes* isolates." *International Journal of Antimicrobial Agents*. Oct 2011 38: 301-306.

Vidaillac C, Parra-Ruiz J, **Rybak MJ.** In vitro time-kill analysis of oritavancin against clinical isolates of methicillin-resistant *Staphylococcus aureus* with reduced susceptibility to daptomycin. *Diagnostic Microbiology and Infectious Disease*. 2011 Dec; 71: 470-473

Vivian J. "New FDA Strategy: Criminal Charges Against Pharma Executives: Should pharmaceutical company CEOs be held accountable for off-label promotion of their products?" *US Pharm*. 2011; 36(6):58-62. (6/20/2011), http://uspharmacist.com/content/d/pharmacy_law/c/28619/. Accessed June 22, 2011

Vivian J. "The Prescription Defense," *US Pharm*. 2011; 36(5):49-51,(5/18/2011), http://uspharmacist.com/content/d/pharmacy_law/c/28267/, Accessed June 22, 2011.

Vivian J. "Throwing Bombs: Discontent in Academia," *US Pharm*. 2011; 36(4):54-56 (4/20/2011), http://uspharmacist.com/content/d/pharmacy_law/c/27842/. Accessed June 22, 2011.

Vivian J. Brand-Name and Generic Drugs Not Equivalent in Malpractice Claims. *US Pharm*. 2011;36(9):49-51.

Vivian J. Legal Consequences of Social Networking, *US Pharmacist* 2011, 36(10) 53-55, posted 10/18/2011, http://www.uspharmacist.com/content/d/pharmacy_law/c/30668/

Vivian J. FDA Tries to Compound the Compounding Rules, *US Pharmacist* 2011; 36(11) 68-71, http://www.uspharmacist.com/content/d/pharmacy_law/c/31071/.

Wei D, **Tutag Lehr V**, Leh-Lai M, Koo W, Ward R, Rieder M, Van Den Anker J, Reeves J, Mathew M, Lulic-Botica M, Aranda J. An Algorithm to Detect Adverse Drug Reactions in Neonatal Intensive Care Unit – A New Approach. *Clinical Journal Pharmacology* 2012 (in press).

Wilhelm SM, Kale-Pradhan P. Estimating creatinine clearance: a meta-analysis. *Pharmacotherapy* 2011;31:658-664. *Pediatric Topics J Pediatr Pharmacol Ther* 2011;16:(1)47–54.

Wilhelm SM, Johnson JL, Kale-Pradhan PB. Treating bugs with bugs: the role of probiotics as adjunctive therapy for *Helicobacter pylori*. *Ann Pharmacother* 2011, published online June 21, 2011.

TEXTBOOK CHAPTERS PUBLISHED

Crane E, **Tutag Lehr V**, Mathew M, Aranda JV. Developmental pharmacology and therapeutics. In: Buonocore, G., Bracci R, Weindling M (eds), *Neonatology. A Practical Approach to Neonatal Diseases*. Italia :Springer-Verlag, 2011:364-368.

Vivian, Jesse, "Federal Pharmacy Law" published in *PharmPrep*, 4th edition

ABSTRACTS PRESENTED/PUBLISHED

Avery L.M., Woodruff A., Hasan M., Steed M.E., **Rybak M.J.** Daptomycin Non-Susceptible (DNS) and Vancomycin Intermediate *Staphylococcus aureus* (VISA) Vertebral Osteomyelitis Cases Treated with High

Dose Daptomycin and Trimthoprim-Sulfamethoxazole (TMP-SMX). 51st Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC). Chicago, IL, September 17-20, 2011; Abstract # 2221

Barber, K. Steinke, L., Mynatt, R., Pogue, J., **Rybak M.J.** Early Experience with ceftaroline therapy at a level I trauma center. 46th ASHP Midyear clinical meeting. December 7, 2011., New Orleans, LA. Abstract #7-223

Breslin TM, Kulik AJ, **Bugalski Stutrud CA**, Bowers CJ, **Smith GB**, Mendez J, Afonso NM, Waites CC, **O'Connell MB**. Assessment of Student Pharmacist Learning from a Multidisciplinary Older Adult Home Visit. American College of Clinical Pharmacy Annual Meeting, Pittsburgh, PA 2011

Claeys K, **Parker D**, Goodwin H, Lewin J, **Rhoney DH**. A Multi-Center Evaluation of the Impact of Drug Shortages in Neurocritical Care (NCCU): Management Strategies and Resource Utilization. Neurocrit Care 2011; 15 :S189.

Claeys K, **Parker D**, Goodwin H, Lewin J, **Rhoney DH**. A National Survey of Drug Shortages in Neurocritical Care Units (NCCU): Description of Shortage with Commonly Used Agents. Neurocrit Care 2011;15:S183.

Claeys K, Sykes D, **Moser L, Gortney J**, Raub J. Impact of a Student Pharmacist Driven Medication History Service. Student poster presented at the ASHP Midyear Clinical Meeting, December, 2011 in New Orleans

Clark LM*, Malinzak L, Patel A, **Pinelli NR**. Pharmacist Managed Diabetes and Cardiovascular Risk Reduction Clinic in Renal Transplant Patients: Bridging the Gap in Transition of Care. Poster Presentation: 2011 ASHP Midyear Clinical Meeting: December 6, 2011, New Orleans, LA

Garwood CL, Johnson JL, Habermas S, Whittaker P. Anticoagulation instability in warfarin-treated patients with chronic kidney disease: can clinic management strategies improve stability? Pharmacotherapy. 2011; (In Press)

Giuliano CA, Wilhelm SM, Kale-Pradhan P, Are Proton Pump Inhibitors Associated with the Development of Community- Acquired Pneumonia: A Meta-analysis., American College of Clinical Pharmacy, 2011 Annual Meeting, Pittsburgh, PA, Abstract #100.

Gupta NA, Chang F, Kleinow ME, Hwang JM, **Garwood CL**, Khreizat HS, **O'Connell MB**. Patient Satisfaction and Self-perceived Knowledge Gained During Senior Brown Bag Medication Reviews. American College of Clinical Pharmacy Annual Meeting, Pittsburgh, PA 2011

Gupta NA, Chang F, Kleinow ME, Hwang JM, **Garwood CL**, Khreizat HS, **O'Connell MB**. Evaluation of Patient Education on Preventive Health Measures and Poison Control Center Awareness During Senior Brown Bag Medication Reviews. American College of Clinical Pharmacy Annual Meeting, Pittsburgh, PA 2011

Hall A.D., Vidailiac C., Rose W.E., **Rybak M.J.** High Dose Daptomycin Alone or Combined with Clarithromycin or Rifampin against isolates of *Staphylococcus aureus* in an *in vitro* pharmacokinetic/pharmacodynamic (PK/PD) model of bacterial biofilm. 51st Interscience Conference on

Antimicrobial Agents and Chemotherapy (ICAAC). Chicago, IL, September 17-20, 2011; Abstract # A-1680.

Hall A.D., Steed M.E., Arias C.A., Murray B.E., **Rybak M.J.** Evaluation of standard and high dose daptomycin versus linezolid against resistant Enterococci in an *in vitro* model of simulated endocardial vegetations (SEV). 51st Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC). Chicago, IL, September 17-20, 2011; Abstract # A2-018.

Hawakawa K., Marchaim D., Lephart P.R., Pogue J.M., Sunkara B, Moshos J.A., Jagadeesh K.K., Kotra H., Hasan A., Suhrawardy U., Osunlana A.M., Swan J., Patel S., Levine M., Yee V., Ahmad F., Lepakshi Reedy S.M., Ku K., Kumar S., Yerramalla Y., Tiwari N., Mustapha M., **Martin E.T., Rybak M.J.**, Kaye K.K. Risk factors for co-colonization of vancomycin-resistant *Enterococcus faecalis* and methicillin-resistant *Staphylococcus aureus* (MRSA): a multivariate analysis. 51st Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC). Chicago, IL, September 17-20, 2011; Abstract # K-221.

Jantz A*, MacDonald N, DeSmet B, **Pinelli NR.** Adherence to Diabetes Practice Guidelines for Patients Newly Diagnosed with Type 2 Diabetes Mellitus: Transition of Care After Hospital Discharge. Poster Presentation: 2011 ASHP Midyear Clinical Meeting: December 6, 2011, New Orleans, LA

Judge T., Pogue J., Marchaim D., Lephart P.R., Ho K., Jagadeesh K.K., Kamatam S., Parveen S., Tiwari N., Nanjireddy P., Bheemreddy S., Biedron S., Reddy S.M.L., Khammam V., Chalana I.K., Tumma S.A., Zhao J., Mynatt R., **Rybak M.J.**, Kaye K.K., Hayakawa K. Risk factors for daptomycin-nonsusceptible vancomycin-resistant *Enterococci*: a case-case control study. 51st Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC). Chicago, IL, September 17-20, 2011; Abstract # K-1478.

Kasha, M.Z., Barber K.E., Casapao A.M., Mynatt R.P., **Rybak M.J.** Vancomycin consensus guidelines application and serum concentration target attainment: A quality assessment evaluation. 46th ASHP Midyear clinical meeting, December 7, 2011. Abstract # 4-157 New Orleans, LA

D.W. Kim, **P.E. Kilgore**, E.J. Kim, S. Kim, D.D. Anh, B.Q. Dong, J.S. Kim, M. Seki. ,Loop-mediated Isothermal Amplification (LAMP) for Detection of *Haemophilus influenzae* b and *Streptococcus pneumoniae*. (8th International Symposium on Pneumococcus and Pneumococcal Disease – ISPPD-8, Iguazu Falls, Brazil - [March 11-15, 2012](#))

S.A. Kim, M.A. Mathew, Abraham Paulose, M Puri, M.K.C. Nair, **P.E. Kilgore** Acceptability and Feasibility of Electronic Infectious Disease Surveillance Using Mobile Phone Technology; Presented at the American Society of Tropical Medicine and Hygiene 60th Annual Meeting. Dec. 4 - 8, **2011** Philadelphia, PA, USA

Koerber JM, Mehta TP, Lorysyth LL, Corbets L, Conger E, Sykes E, Mattson JC, Parikh R, **Smythe MA.** Assessing the Impact of a Heparin Induced Thrombocytopenia Recognition and Management Protocol. Poster presentation at the American Society of Hematology Meeting, San Diego, CA, December 2011.

Lundquist L, Shogbon A, Momary K, **Gortney JS.** Patient case-based oral examinations: five years of experience comparing students' performance and perceptions of preparedness. AACP Annual Meeting San Antonio July 2011. AJPE 2011; vol 75, issue 5:article 105

Morbiter K*, Wilpula D, **Pinelli NR, Salinitri FD.** Effects of Hemodialysis on Glycemic Control in Hospitalized Type 2 Diabetes Mellitus Patients Receiving Basal-Bolus Insulin: A

Retrospective Chart Review. Poster Presentation: 2011 ASHP Midyear Clinical Meeting: December 6, 2011, New Orleans, LA

Murray, K., **Rybak, M.J.**, Kaye, K., Zhao, J. Matched retrospective cohort study of vancomycin or daptomycin for methicillin-resistant *Staphylococcus aureus* bacteremia. 46th ASHP Midyear clinical meeting, December 7, 2011., New Orleans, LA. Abstract #7-215

Nisarga R, **Kilgore P.E.** *et al.* , Prospective, Active Hospital-Based Epidemiologic Surveillance for IPD and Pneumonia Burden Among Infants and Children in Bangalore South Zone, India." 8th International Symposium on Pneumococci and Pneumococcal Diseases – ISPPD-8, Iguazu Falls, Brazil - [March 11-15, 2012](#)).

O'Connell MB, Stutrud C, Mendez J, Afonso NM. Multidisciplinary education with older adults in their home. AACP Annual Meeting San Antonio July 2011. AJPE 2011; vol 75, issue 5:article 105

O'Connell MB, Salinitri FD, Smith JM, **Garwood C, Tutag Lehr V**, Van Sipe L, Sawilowsky SS. Standardized assessment of observed structured clinical examinations. AACP Annual Meeting San Antonio July 2011. AJPE 2011; vol 75, issue 5:article 105

Pinelli NR, Hurren KM. Safety and Efficacy of Long Acting Glucagon-like Peptide-1 Agonists Compared to Other Incretin-Based Therapies in Type 2 Diabetes: A Systematic Review and Meta-Analysis. Diabetes 2011;60(suppl 1):A619.

Rhoney DH, Levy P, Liu-DeRyke X, **Parker D**, Atkinson B, Coplin W. Impact of Early Blood Pressure Reduction in Hypertensive Patients with Non-Traumatic Intracranial Hemorrhage. Neurocrit Care 2011; 15:S97.

Ross K, Morbitzer K, Salinitri DM, Salinitri GR, **Salinitri FD.** Exposing High School Students to Clinical Pharmacy Practice through Case Based Team Learning. 46th ASHP Midyear Clinical Meeting & Expedition, New Orleans, Louisiana.

Rutkowski KM, Freitel KM, Rosenthal TC, **Smith GB, O'Connell MB.** Experiential Value of an Older Adult Medication Assessment Early in the Pharmacy Curriculum. American College of Clinical Pharmacy Annual Meeting, Pittsburgh, PA 2011

Saad SA*, **Pinelli NR.** Serum 25-Hydroxy Vitamin D and Glucose Intolerance Following Renal Transplantation. Poster Presentation: 2011 ASHP Midyear Clinical Meeting: December 6, 2011, New Orleans, LA

Salinitri FD, Desai N, Karanfili T, Satterthwaite DW, Alzohaili O, Wilpula D. The effect of basal-bolus insulin vs. sliding scale insulin on quality indicators in hospitalized patients with type 2 diabetes mellitus on hemodialysis. ACCP Annual Meeting, Pittsburgh, PA, Oct. 16-19, 2011; Abstract #98

Slaughter RL, Rhoney DH. Pharmacotherapeutic problem solving at Wayne State University: an integrated approach. AACP Annual Meeting San Antonio July 2011. AJPE 2011; vol 75, issue 5:article 105

Smith GB, O'Connell MB, Stutrud C, Mendez J, Afonso NM. Second-Year Students Participation in Interdisciplinary Older Adult Home Visits as a Component of P2 IPPE. AACP Annual Meeting San Antonio July 2011. AJPE 2011; vol 75, issue 5:article 105

Smolinske S, Thomas R, Baltarowich L, Leleszi J, **Tutag Lehr V**. The Atypicals: Unexpected Outcomes in Children. Clinical Toxicology 2011;49:240.

Steed M.E., Vidailiac C., Winterfield P., Bielk D., **Rybak M.J.** Evaluation of Ceftaroline (CPT) Activity versus Ceftriaxone (CRO) Against Clinical Isolates of *Streptococcus pneumoniae* with Varying Susceptibilities to Cephalosporins in an *in-vitro* Pharmacokinetic/Pharmacodynamic (PK/PD) Model. 51st Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC). Chicago, IL, September 17-20, 2011; Abstract # A2-550

Steed, M.E., Vidailiac C., **Rybak M.J.** Evaluation of Telavancin Activity versus Daptomycin and Vancomycin Against Daptomycin Non-Susceptible *Staphylococcus aureus* in an *in vitro* Pharmacokinetic/Pharmacodynamic Model. 51st Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC). Chicago, IL, September 17-20, 2011; Abstract #A2-016.

Steed M.E., Avery L., Woodruff A., **Rybak M.J.** Evaluation of Daptomycin (DAP) plus Trimethoprim-Sulfamethoxazole (TMP/SMX) or Rifampin (RIF) Activity in an *in vitro* Pharmacokinetic/Pharmacodynamic (PK/PD) Model Against VISA and Daptomycin Non-Susceptible *Staphylococcus aureus* (SA) isolates from Osteomyelitis Cases. 51st Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC). Chicago, IL, September 17-20, 2011; Abstract # A2-019.

Tocco AM, Chang F, Kleinow ME, Hwang JM, **Garwood CL**, Khreizat HS, **O'Connell MB**. Classifications of Drug Related Problems Discovered During Senior Brown Bag Medication Reviews. American College of Clinical Pharmacy Annual Meeting, Pittsburgh, PA 2011

SPEAKING

Hurren KM. New Targets for Diabetes Therapies: A Clinical Perspective. National Arab American Medical Association, Las Vegas, Nevada

Nemerovski CW. Practical considerations for the safe and effective use of new oral anticoagulants. American College of Cardiology (ACC) Michigan Summit. Acme, MI

O'Connell MB. Traditional and Emerging Uses of Vitamin D. Minnesota Pharmacists Association Annual Meeting. Brainerd, MN

Parker D. Pharmacy career panel-faculty. Detroit MI, Wayne State University 2011

Pinelli NR. Concepts in Research Study Design, presented at the 6th Annual MSHP Residency Conference on June 6,2011

Pinelli NR. Emerging Therapies in Diabetes. Presented at the ACCP Annual Meeting, Pittsburgh, PA – October 2011.

Pinelli NR. New Treatment Options for the Management of Diabetes Mellitus – Focus on Incretin-Based Therapies. Presented at the Detroit Medical Center 5th Annual Diabetes Symposium, Dearborn, MI – October 2011.

Rhoney DH. Focus on Hyponatremia: Understanding and Treating the Most Common Electrolyte Disorder. Kentucky Society of Health System Pharmacists, Lexington, Kentucky.

Rhoney DH. The Pharmacists Role in Managing Hyponatremia. Mississippi Society of Health System Pharmacists Annual Meeting, Oxford, Mississippi.

Rhoney DH. Focus on Hyponatremia: Understanding and Treating the Most Common Electrolyte Disorder. Georgia Society of Health System Pharmacists, Young Harris, Georgia.

Rhoney DH. Focus on Hyponatremia: Understanding and Treating the Most Common Electrolyte Disorder. Connecticut Society of Health System Pharmacists, Mystic, Connecticut

Rhoney DH. Focus on Hyponatremia: Understanding and Treating the Most Common Electrolyte Disorder. Austin Area Society of Health System Pharmacists, Austin, Texas.

Rhoney DH. Understanding Hyponatremia: Scope, Presentation, and Evaluation American Society of Health System Pharmacists, New Orleans, Louisiana (December)

Rybak, M.J., Symposium moderator and speaker “Optimizing Treatment of ABSSSI: From Guesswork to Guidelines” Symposium on Role of the Clinical Pharmacist as a Catalyst for Appropriate Antibiotic Decision Making. Conducted at 46th ASHP Midyear Clinical Meeting and Exhibition. December 5, 2011, New Orleans, LA.

Rybak, M.J. Literature and Guideline Updates in Infectious Diseases 2011. Review of the Infectious Diseases Society of America MRSA Treatment Guidelines. Conducted at 46th ASHP Midyear Clinical Meeting and Exhibition. December 7, 2011, New Orleans, LA.

Rybak MJ. Strategies to Ensure Appropriate Antibiotic Use in the Hospital Setting, A Continuing Education Symposium. 49th Annual Meeting of the Society of Infectious Diseases of America. Boston, MA. October 21, 2011.

Tutag Lehr V. Non-Opioids as Analgesics. 9th Annual Pain Awareness Symposium. The Detroit Medical Center, September 30th, 2011.

Tutag Lehr V. Pediatric Pain Management: “What are we doing for the Children?” Pharmacy Grand Rounds. June 9th, 2011. Harper Hospital, Detroit, MI.

Vivian J. "Pharmacy Law Update 2011," Annual Thomas D. Row Pharmacy Lectures, October 28, 2011, Ann Arbor Michigan

Vivian J. "Laws of Drug Control in Free Health Clinics," Free Health Clinics of Michigan Annual Meeting, 11/11/2011, South Lyon, Michigan

SPECIAL RECOGNITIONS

FACULTY

Dr. Helen Berlie was selected by APhA-ASP as the Faculty Member of the Month in December based on her service, mentoring, and precepting of APhA-ASP student pharmacists and her contributions to the Great American Smokeout.

Dr. Susan Davis was appointed to the editorial board of Pharmacotherapy.

Dr. Candice L Garwood was elected as President of the Ambulatory Care Practice and Research Networks of ACCP.

Dr. Kathryn Hurren was recognized as Pharmacist of the Year by the Southeastern Michigan Society of Health-Systems Pharmacists.

Student leaders of ASP selected **Dr. Carrie Nemerovski** as the faculty member of the month of October. Carrie was instrumental in not only providing the training for the Operation Heart project but also for exhibiting her leadership while volunteering at the Flu Clinic at the Med School.

Dr. Nicki Pinelli was elected as Secretary/Treasurer of the Endocrine and Metabolism Practice and Research Network of American College of Clinical Pharmacy

Dr. Nicki Pinelli was recognized by the American College of Clinical Pharmacy for her volunteer support of the Endocrine and Metabolism Practice and Research Network

Dr. Pramodini Kale-Pradhan was elected as Secretary/Treasurer of the GI/Liver Practice and Research Network of American College of Clinical Pharmacy

Dr. Kale-Pradhan, PB 2011 ACCP Clinical Pharmacy Challenge Item Author (Oct Issue of ACCP Report available at <http://www.accp.com>)

The paper "Impact of Vancomycin Exposure on Outcomes in Patients with MRSA Bacteremia: Support for Consensus Guidelines Suggested Targets" Clin Infect Dis 2011 (**Drs M. Rybak, S Davis**) was awarded Impact Paper of the Year by the Society of Infectious Diseases Pharmacists.

Dr. Michael Rybak was recognized as one of the most highly cited authors in *Clinical Infectious Diseases* for 2010. This journal has an impact factor of 8.186. His article "Vancomycin Therapeutic Guidelines: A Summary of Consensus Recommendations from the Infectious Diseases Society of America, the American Society of Health-System Pharmacists, and the Society of Infectious Diseases Pharmacists" was cited 49 times.

Dr. Michael Rybak - Outstanding Achievement in Clinical Sciences Research 8th Annual Research Forum Eugene Applebaum College of Pharmacy and Health Sciences October 5, 2011.

Prof. Geralynn Smith received the 2011 Achievement Award from World Medical Relief. WMF collaborates with many universities to create partnerships that benefit students and WMF

On August 19th WSU College of Pharmacy and Health Sciences offered its first session of an American Pharmacists Association (APhA) certificate program titled "Developing Medication Therapy Management Services in the Community". This national certificate program was developed by the American

Pharmacists Association and the American Society of Consultant Pharmacists. **Dr. Anthony Pattin** and **Prof Carol Stutrud** were instrumental in developing this program.

Dr. Victoria Tutag Lehr was appointed by Governor Snyder to serve as Chair of the Michigan Pharmacy and Therapeutics Committee.

STUDENT RECOGNITIONS

Prof Geri Smith, Dr. Mary Beth O'Connell, and Prof Carol Stutrud and their efforts for advising our students to host the **Lambda Kappa Sigma (LKS)** International Professional Pharmacy Fraternity 2011 Annual Convention at the Westin Book Cadillac Hotel in Detroit.

APhA-ASP has once again put on a successful flu clinic for the Wayne State community. The flu clinics took place in various locations throughout Wayne State's campus from September 19th through October 5th. This year we immunized a total of 1310 patients. In addition to immunizing, we also screened 181 patients for hypertension (referred 61 to PCP), 115 patients for diabetes (referred 16 to PCP), and 37 patients for heartburn.

Kimberly Claeys was awarded the Student Research Poster Award at the 8th Annual Research Forum Eugene Applebaum College of Pharmacy and Health Sciences October 5, 2011 for her research project on drug shortages with Drs. Denise Rhoney and Dennis Parker, Jr.

For the second consecutive year the student pharmacists are once again the official screeners and health counselors to the Wellness Warriors. For the first 8 days of the 11 day screening event 71 student pharmacists and 20 pre-pharmacy students have screened and counseled 750 patients. Several members of the pharmacy faculty have also supported the efforts of the event by providing follow-up counseling and screening.

Emily Fisher received the 2011 Mary Connolly Livingston Educational Grant in the amount of \$1000. This is a highly competitive scholarship from LKS.

The following doctor of pharmacy students: **Sabrina Grandhi, Ellen Chackunkal, Jennifer Baric, Cassandra Petros and Ashley Powell**, participated in a medical mission in Nicaragua from December 17 – December 23 partnering with students from the school of medicine.

Allison Hanson was selected to perform a one year internship at the Federation of International Pharmacy at the Hague, Netherlands.