Department of Pharmacy Practice Annual Report
Academic Year 2013/14 (July 1, 2013 – June 30, 2014 except where noted)

APPOINTMENTS

Faculty
Amber Lanae Smith, Pharm.D., M.S., Assistant Professor (Clinical)
Brittany R. Stewart, Pharm.D., RD, Assistant Professor (Clinical)
Kyle J. Burghardt, Pharm.D., Assistant Professor

Staff
Christina Cowen, M.A., Administrative Assistant II

PROMOTIONS

Ray Cha, Pharm.D., Associate Professor (Clinical)
Francine D. Salinitri, Pharm.D., Associate Professor (Clinical)

AWARDS/HONORS

National
Allison Hansen, rising P4 student, was selected to participate in the International Pharmaceutical Students Federation’s delegation at the 66th World Health Assembly, May 20-28, 2013, Geneva, Switzerland.

Susan Davis is the mentor for Jo Carreno, Lisa Dumkow, and Sonal Patel, who were selected to participate in the American Society for Microbiology (ASM) Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC) Infectious Diseases Fellows Grant Program at ICAAC 2013. Jamie Wagner and Kelli Cole, also directed by Susan, were awarded the ASM ID Fellows Travel Grant for 2013.

Anthony Pattin was selected for the National Association of Chain Drug Stores Foundation Faculty Scholars Program, May 2013. His mentors in the program include Carol Stutrud and Paul Kilgore.

Mary Beth O’Connell’s poster, Learning Assessment of the Peruvian Amazon Study Abroad Program, received second place at the American College of Clinical Pharmacy Ambulatory Care Practice and Research Network Virtual Symposium Walk Rounds, May 2013. Co-authors are Shannon Priest (P3 student), Barbara Brodman, and Ruth Nemire.

Katie Barber, a fellow in the Anti-Infective Research Laboratory, directed by Michael Rybak, was selected to participate in the American Society for Microbiology Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC) Infectious Diseases Fellows Grant Program at ICAAC 2013.

Pram Kale-Pradhan was elected a Fellow of the American College of Clinical Pharmacy and recognized at the ACCP Annual Meeting in October 2013.

Candice Garwood was elected a Fellow of the American College of Clinical Pharmacy and recognized at the ACCP Annual Meeting in October 2013.

The Omicron chapter of Lambda Kappa Sigma was recognized as Central Region Chapter of the Year at the LKS National Convention in Boston MA, July 24-27, 2013. Deborah Bourquin (P4 student) is the chapter president and Mary Beth O’Connell is the chapter advisor.
S.M. Farooq's and Hossam Ashour's article on cell-mediated immune deviation to encephalitogenic antigens, published in Brain, Behavior, and Immunity was highlighted by MDLinx.com October 10, 2013.

Mary Beth O’Connell’s article on cultural competency was highlighted by the pharmacy site of MDLinx.com October 11, 2013.

Melissa Lipari’s and Pram Kale-Pradhan’s article on roflumilast in the management of chronic obstructive pulmonary disease, published in the American Journal of Health-System Pharmacists was highlighted November 19, 2013 at MDLinx Medical News & Information and ranked by the MDLinx editors as number 4 on their pulmonology site.

Candice Garwood, Melissa Lipari, Joanne MacDonald, David Bach, Kim Tsilimingras, Greg Polk, and other DMC colleagues received the ASHP Best Practices Award in Health-System Pharmacy for their project, Advancing Pharmacy Practice in Transitions of Care: Post-Hospitalization Ambulatory Medication Reconciliation at a Patient-Centered Medical Home. American Society of Health-System Pharmacists Midyear Clinical Meeting, Orlando FL, December 7-12, 2013.

Melissa Lipari was accepted to the American Society of Health-System Pharmacists Foundation Research Boot Camp.

Kyle Burghardt was selected as a 2014 American Society of Clinical Psychopharmacology Annual Meeting New Investigator Award recipient.

Ray Cha was accepted to the American College of Clinical Pharmacy Focused Investigator Training Program.

Kyle Burghardt was accepted to the American College of Clinical Pharmacy Focused Investigator Training Program.

State

Jennifer Mendez, Mary Beth O’Connell, Geralynn Smith, Carol Bugdalski-Stutrud, Gerry Conti, Cheryl Waites, Cassandra Bowers, Nelia Afonso, Stephen Bruer, Joan Bickes, and Joel Steinberg received the 2013 Building Michigan’s Health Care Workforce Award for Interprofessional Teamwork Initiative from the Michigan Health Council for their interprofessional team older adult home visit program. The award was presented the Council’s November 11, 2013 annual luncheon and awards program in Lansing.

Jessica Traster (P4), Celeste Vieira (P3), Alison Gravelin (P2) and Ruffa Villota (P2) won the National Association of State Pharmacy Associations – Nonprescription Medicines Academy of Student Pharmacists Self-Care Championship at the Michigan Pharmacists Association Annual Convention, Detroit Michigan, March 1, 2014. The team was coached by Anthony Pattin.

Candice Garwood and the staff of the Rosa Parks Institute for Senior Health received a Governor’s Award of Excellence for the work of the clinic in reducing adverse drug events. The award is given by the Governor’s Office and MPRO, Michigan’s Quality Improvement Organization under contract with U.S. Centers for Medicare and Medicaid Services (CMS).

Local

Research conducted by Emily Martin on flu and obesity was highlighted in MLive (www.mlive.com), May 4, 2013. The article was based on Emily’s paper, Martin ET, Archer C, McRoberts J, Kulik J, Thurston T, Lephart P, Kaye KS. Epidemiology of severe influenza outcomes among adult patients with obesity in Detroit, Michigan, 2011. Influenza Other Respir Viruses 2013; 7:1004-1007.
Candice Garwood received the Southeastern Michigan Society of Health-System Pharmacists Innovative Practice Award. SMSHP Banquet, November 13, 2013.

University

College

Linda Jaber received the Faculty Research Recognition Award at the Eugene Applebaum College of Pharmacy and Health Sciences Annual Research Forum, October 16, 2013.

Shukkur Farooq's project, Eye-Mediated Induction of Specific Immune Tolerance to Encephalitogenic Antigens, received the best poster award for post-doctoral fellows at the Eugene Applebaum College of Pharmacy and Health Sciences Annual Research Forum, October 16, 2013. The project was mentored and co-authored by Hossam Ashour.

Katie Barber's project, Activity of Ceftobiprole (BPR) Combination Regimens against Multiple Strains of Staphylococcus Aureus with Differing Resistance Phenotypes, won the clinical sciences best poster award at the Eugene Applebaum College of Pharmacy and Health Sciences Annual Research Forum, October 16, 2013. The project was co-authored by Brian Werth, Cortney Ireland, Nicole Stone, and mentored and co-authored by Michael Rybak.

Mary Beth O'Connell received the Eugene Applebaum College of Pharmacy and Health Sciences Excellence in Teaching Award.

PROFESSIONAL/SCIENTIFIC LEADERSHIP POSITIONS

Candice Garwood was instrumental in the designation of the Rosa Parks Institute for Senior Health in Detroit Medical Center as a Patient-Centered Medical Home by URAC (formerly known as Utilization Review Accreditation Commission). The Rosa Parks clinic is also designated as a PCMH by Blue Cross Blue Shield of Michigan.

Michael Rybak is editor-in-chief for a new journal, Infectious Diseases and Therapy.

Susan Davis is a member of the editorial board of Pharmacotherapy.

Linda Jaber is a member of the editorial board of Annals of Pharmacotherapy.

Michael Rybak is a scientific editor of Pharmacotherapy.

Mary Beth O’Connell served in the “Ring of Leaders” with Dennis Helling, William Miller, and Barbara Wells, providing insight for an American College of Clinical Pharmacy webinar, “Strengthening Your Focus and Ability in Leadership,” presented by Joe Saseen and Gina Moore, July 16, 2013.

Paul Kilgore was appointed to the Scholarship/Research Development Committee of the American Association of Colleges of Pharmacy Section of Teachers of Pharmacy Practice for 2013-2014.

Rick Slaughter and Justine Gortney served in the House of Delegates at the American Association of Colleges of Pharmacy Annual Meeting, Chicago IL, July 14-17, 2013.

Rick Slaughter was appointed to the American Association of Colleges of Pharmacy Council of Deans Taskforce on Assisting Schools of Pharmacy at Emerging Research Institutions.

Ray Cha was appointed to the American College of Clinical Pharmacy Publications Committee.

Mary Beth O’Connell was appointed to the American Association of Colleges of Pharmacy Health Disparities and Cultural Competence Special Interest Group Best Practices Committee.
Ray Cha is serving on the ACCP Publications Committee.

Melissa Lipari has been appointed chair of the Student Committee of the American College of Clinical Pharmacy Ambulatory Care Practice and Research Network.

Emily Martin was appointed to the Graduate Program Committee of the American Association of Colleges of Pharmacy Section of Teachers of Social and Administrative Sciences.

Victoria Tutag-Lehr was re-appointed as chair of the Michigan Medicaid Pharmacy and Therapeutics Committee.

Victoria Tutag-Lehr was appointed to a WSU Institutional Review Board.

Linda Jaber was appointed to the WSU Faculty Promotion and Tenure Committee.

Justine Gortney was appointed to the Communications Committee of the American Association of Colleges of Pharmacy Section of Teachers of Pharmacy Practice.

Francine Salinitri was appointed to the Membership Committee of the American Association of Colleges of Pharmacy Section of Teachers of Pharmacy Practice.

Linda Jaber was appointed to the Health and Wellness Task Force of the American Association of Colleges of Pharmacy Section of Teachers of Pharmacy Practice.

Anthony Pattin was appointed to the Pharmacy Quality Alliance Adult Immunization Task Force. PQA is an alliance of over 100 organizations that promote appropriate medication use and develop strategies for measuring and reporting performance related to medications. Some of their measures were adopted by the Centers for Medicare and Medicaid Services Star Ratings System, including high-risk medications in the elderly, appropriate treatment of hypertension in persons with diabetes, and proportion of days covered. The Adult Immunization Task Force is charged to develop quality metrics for pharmacy-delivered vaccination services.

OTHER EXTERNAL SERVICE/LEADERSHIP

Paul Kilgore was a member of a WSU delegation that visited and consulted at Tongji School of Pharmacy, Huazhong University of Science and Technology in Wuhan, China, July 27 – August 2, 2013.

Emily Martin contributed a journal club review to the joint Society of Healthcare Epidemiology of America/Medscape Internet site. Knowledge is half the battle: improving antimicrobial stewardship training for physicians. Medscape Oct 29, 2013.

Hossam Ashour was a reviewer of proposals submitted to the University of Wisconsin-Milwaukee Research Growth Initiative.

Hossam Ashour was a review of proposals submitted to the University of Wisconsin-Milwaukee College of Health Sciences’ Stimulus for Extramural Enhancement & Development (SEED) Grant Program.


Victoria Tutag-Lehr and Lynette Moser were highlighted in the Fall 2013 issue of Synergy for their work with the P2 Learning Community.

Linda Jaber, Elizabeth Conger and the WSU-Arab American Pharmacists Association Research Fellowship were highlighted in the Summer 2013 issue of Academic Pharmacy Now, a
publication of the American Association of Colleges of Pharmacy and reprinted in the Fall 2013 issue of Synergy.

Paul Kilgore is a member of a Sanofi Pasteur editorial board, Influenza and Comorbidities - Helping to Prevent Disease in Older Patients, convened in a roundtable format to explore direct and indirect consequences of influenza in older patients with multiple comorbidities.

Mary Beth O’Connell is certified by the American Pharmacists Association as a trainer for the Medication Therapy Management Certificate Program.

Deborah Bourquin (P4) won the Adele Lobraco Lowe Leadership Grant from Lambda Kappa Sigma international professional pharmacy fraternity. Bourquin is a member and former president of the LKS Omicron Chapter. This is her second LKS grant. She received the Cora E. Craven Educational Grant a year ago. Mary Beth O’Connell is the chapter advisor.

Brian Crabtree was an abstract reviewer for the College of Psychiatric and Neurologic Pharmacists Annual Meeting.

Linda Jaber was interviewed on US Arab Radio (WNZK, Detroit area, WDMV, Washington DC area) Feb18 for a program entitled, Diabetes Research in the Arabic Community Recent Findings: Facts that will Surprise You!

Mary Beth O’Connell served in the Michigan Pharmacists Association House of Delegates as a representative from the Oakland County Pharmacists Association.

Allison Hansen (P4) and Kristin Perry (P4) were selected as delegates to represent the International Pharmaceutical Students’ Federation at the World Health Assembly in Geneva Switzerland, May 19-24, 2014.

Selmir Mahmutovic (P3) received the Michigan Campus Compact (MiCC) Heart and Soul Award for his work at the DEW Clinic. MiCC is a coalition of college and university presidents who are committed to fulfilling the public purposes of higher education. Campus Compact member presidents are joined in their commitment to the development of personal and social responsibility as integral to the educational mission. Currently MiCC has 36 member campuses and Michigan members are part of national Campus Compact, a coalition of nearly 1,100 college and university presidents, representing 6 million students. Selmir received the award at the 18th annual MiCC awards brunch, April 12, 2014 in East Lansing.

Linda Jaber was an abstract reviewer for the American College of Clinical Pharmacy 2014 Annual Meeting.

Linda Jaber was a guest editor for a special issue of The Scientific World Journal entitled, Childhood Obesity: Causes, Prevention and Treatment. The Scientific World Journal is a peer-reviewed open access journal covering a wide range of subjects in science, technology, and medicine.

Randy Schad and Anthony Pattin are certified as American Pharmacists Association Pharmacy-Based Immunization Delivery Certificate trainers.

Anthony Pattin is certified as American Pharmacists Association Delivering Medication Therapy Management Services Certificate trainers.

Lynette Moser was accepted to the American Association of Colleges of Pharmacy Academic Leadership Fellows Program for 2014-2015.

SCIENTIFIC REVIEW PANEL APPOINTMENTS
EDITORIAL BOARD APPOINTMENTS

Michael Rybak was appointed to the Pharmacotherapy Board of Directors.

Mary Beth O’Connell is a member of the editorial board for Pharmacotherapy.

Mary Beth O’Connell is a member of the editorial board for the Journal of the American Geriatrics Society.

Mary Beth O’Connell is a member of the editorial board for the National Osteoporosis Foundation Osteoporosis Clinical Updates.

Michael Rybak is editor-in-chief (USA) of Infectious Diseases and Therapy.

Hossam Ashour is a member of the editorial board of Scientific Reports, a multidisciplinary, open-access primary research journal.

Linda Jaber is a member of the editorial board of the Journal of Pharmacology and Toxicology Research.

GRANTS AWARDED

Federal Grants

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<tr>
<th>Investigator</th>
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State Grants

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Foundation Grants

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<tbody>
<tr>
<td>Jaber LA (Co-P.I.)</td>
<td>Blue Cross Blue Shield of Michigan Foundation</td>
<td>Improving health behaviors in Arab American youth</td>
<td>4/01/14</td>
<td>3/31/15</td>
<td>$72,921</td>
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<tr>
<td>Pattin A (P.I.), Kilgore PE (Co-I.)</td>
<td>National Association of Chain Drug Stores Foundation</td>
<td>The advancement of community pharmacy through scholarship, education, and collaboration at Eugene Applebaum College of Pharmacy and Health Sciences, Wayne State University</td>
<td>4/28/14</td>
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Corporation/Industry

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<th>Budget</th>
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<tbody>
<tr>
<td>Rybak MJ (PI), Davis S (Co-I.)</td>
<td>Cubist Pharmaceuticals</td>
<td>Impact of early daptomycin versus vancomycin therapy for bloodstream infection caused by</td>
<td>6/01/13</td>
<td>6/01/14</td>
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<tr>
<td>Anthony Casapao (Co-I)</td>
<td>methicillin-resistant Staphylococcus aureus</td>
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<tr>
<td>Rybak MJ (P.I.), Davis SL (Co-I), Cha R (Co-I)</td>
<td>Cubist Pharmaceuticals</td>
<td>Annual infectious diseases pharmacy fellowship forum</td>
<td>10/01/13</td>
<td>6/30/14</td>
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<tr>
<td>Barber KE (Co-I), Rybak MJ (P.I.)</td>
<td>Forest Laboratories</td>
<td>Evaluation of ceftaroline both alone and combined with daptomycin or rifampin against MRSA, in an in vitro PK/PD model of bacterial biofilm</td>
<td>9/10/13</td>
<td>8/31/14</td>
<td>$90,043</td>
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<td>Rybak MJ (P.I.), Katie Barber (Co-I), John McRoberts (Co-I)</td>
<td>Trius Therapeutics</td>
<td>Evaluation of tedizolid against methicillin-resistant Staphylococcus aureus (MRSA) and enterococci with varying resistance phenotypes</td>
<td>9/06/13</td>
<td>7/06/14</td>
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<tr>
<td>Davis SL (P.I.), Rybak MJ (Co-I), Wagner J (Co-I)</td>
<td>Cubist Pharmaceuticals</td>
<td>Beyond benchmarking: evaluation of carbapenem utilization in a national network of healthcare facilities</td>
<td>12/31/13</td>
<td>12/31/14</td>
<td>$50,000</td>
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<td>Rybak MJ (P.I.)</td>
<td>Theravance Pharmaceuticals</td>
<td>Minimum inhibitory concentrations (MIC) of telavancin against methicillin resistant Staphylococcus aureus with reduced susceptibility to daptomycin, vancomycin and linezolid</td>
<td>5/01/14</td>
<td>6/30/15</td>
<td>$98,114</td>
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<tr>
<td>Rybak MJ (P.I.)</td>
<td>Theravance Pharmaceuticals</td>
<td>Evaluation of aztreonam and piperacillin/tazobactam pharmacodynamics with Pseudomonas aeruginosa and methicillin-resistant Staphylococcus aureus in combination with telavancin in an in vitro pharmacodynamic model</td>
<td>5/01/14</td>
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<td>$77,386</td>
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<td>Rybak MJ (P.I.)</td>
<td>Cubist Pharmaceuticals</td>
<td>Activity of daptomycin alone or in combination with ceftolazane in a hollow-fiber pharmacodynamic/pharmacokinetic model</td>
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<tr>
<td>Rybak M (Co-I)</td>
<td>President's Research Enhancement</td>
<td>Polymer nano-coatings to inhibit biofilm formation on</td>
<td>6/01/13</td>
<td>12/01/14</td>
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Program: Collaborative Research Program among Engineering/Physical Sciences and Health Science Faculty  

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<tr>
<td>Jaber LA (Co-P.I.), Conger E (Co-I)</td>
<td>Faculty Research Award Program</td>
<td>Barriers and facilitators to diabetes self-management in Arab Americans</td>
<td>02/15/14</td>
<td>02/15/15</td>
<td>$8,355</td>
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<tr>
<td>Ashour H (P.I.), Kowluru A (Co-I)</td>
<td>Faculty Research Award Program</td>
<td>Novel immunotherapeutic approaches for type I diabetes</td>
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Other Grants

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<tr>
<td>Kilgore PE (Co-P.I.)</td>
<td>Detroit Community-Academic Urban Research Center</td>
<td>Detroit homeless health collaborative</td>
<td>02/03/14</td>
<td>01/31/15</td>
<td>$2,000</td>
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MANUSCRIPTS PUBLISHED


Antimicrob Agents Chemother 2014; 58:3177


Year: 2014


ABSTRACTS PRESENTED/PUBLISHED


O’Connell MB, Adams D, Jacobs S, Olson L, Bugdalski-Stutrud CA, Mendez J, Bowers CJ, Smith GB. Implementation of MTM recommendations by community IPPE P3 student pharmacists post older


Casapao AM, Davis SL, Barr VO, Klinker KP, Goff DA, Barber KE, Steinke LM, Mynatt RP, Kaye KS, Pogue JM, Rybak MJ. Multicenter experience of the effectiveness and safety with ceftaroline fosamil


McRoberts JP, Caspao AM, Lephart P, Rybak MJ. Evaluation of methicillin resistant Staphylococcus aureus (MRSA) blood stream infections (BSI) minimum inhibitory concentrations (MICs) to vancomycin (VAN) and daptomycin(DAP) at an urban Detroit medical institution. 53rd Interscience Conference on Antimicrobial Agents and Chemotherapy, Denver CO, Sept 10-13, 2013.


Werth BJ, Rybak MJ. Ceftaroline (CPT) plus avibactam (AVI; CPA) demonstrates bactericidal activity against pathogenic anaerobic bacteria in a one-compartment in vitro pharmacokinetic/pharmacodynamic model.
Wayne State University
Department of Pharmacy Practice
Annual Report
Page 15


Smith JR, Barber KE, Rybak MJ. Beta-lactam combinations with daptomycin provide synergy against methicillin-resistant Staphylococcus aureus and vancomycin-resistant Enterococci. 24th Annual European Congress of Clinical Microbiology and Infectious Diseases, Barcelona, Spain, May 10-13, 2014.


INVITED PRESENTATIONS


Justine Gortney, Lindsay Davis, Monica Miller. Handling Challenging Trainees in Experiential Education. Special Session at American Association of Colleges of Pharmacy Annual Meeting, Chicago IL, July 14-17, 2013.


Sheila Wilhelm and Francine Salinitri presented a “Pharmacy Challenge” to more than 200 students in the Birmingham, Michigan public schools to anatomy and physiology classes. They modeled the procedure and format of pharmacy case studies, including facilitation of small groups and a clinical skills challenge exercise. The Challenge program relates to community outreach, recruitment, and assessing the 21st century learner. The presentations were Oct 28 – Nov 6, 2013.


Michael Rybak. hVISA and Implications for Therapy. Infectious Diseases Grand Rounds, Hospital de Chicoutimi, Hospital de Rimouski, IUCPQ-Institute of Cardiology and Pulmonology of Quebec, Hotel-Dieu de Levis, Hotel-Dieu de Quebec, Hospital St-Francois D’assise, Hospital Enfant-Jesus, Hospital St-Sacrement. Quebec City, Canada, March 13, 2014.


Michael Rybak. hVISA, VISA and VRE. University of Manitoba, Winnipeg, Manitoba, March 28, 2014.

Michael Rybak (Detroit MI, United States). Ceftaroline. The Good, the Bad and the Ugly: Recently Approved and Developmental Anti-Bacterials. Developmental Beta-Lactamase Inhibitors in Phase 2/3 Clinical Trials. U. Theuretzbacher (Vienna, Austria); Fidaxomicin. M. Llewelyn (Brighton, United Kingdom); Tigecycline. D. Plachouras (Athens, Greece). 24th Annual European Congress of Clinical Microbiology and Infectious Diseases, Barcelona, Spain, May 10-13, 2014.