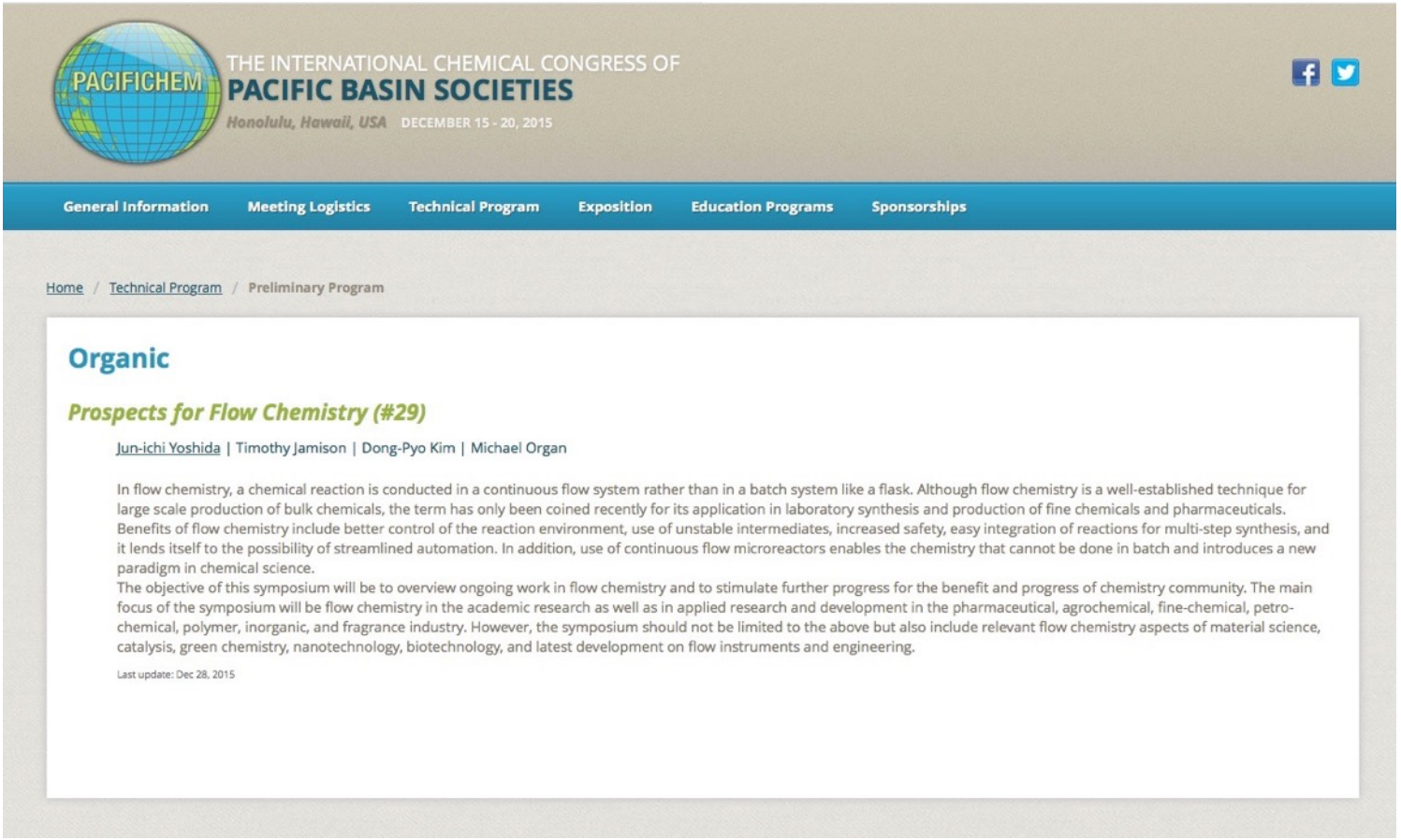
Web site: http://www.pacifichem.org



ORGN

Area 4 – Organic

Hilton Hawaiian Village
Mid-Pacific Center, South Pacific Ballrm 1

Prospects for Flow Chemistry (#29)

Organized by: J. Yoshida, T. Jamison, D. Kim, M. Organ
Presiding: C. Kappe, J. Yoshida

Tuesday, December 15, 2015

8:00 – 1. Use of continuous flow technology to harness hazardous chemistries and process conditions. **C. Kappe***

8:25 – 2. Flowing safely: Synthesis with hazardous chemicals. **T. Wirth**

8:50 – 3. On-demand diazo reagents: In-flow generation and purification. **E. Levesque***, S.T. Laporte, S. Vanier, A.B. Charette

9:05 – 4. Generation of anhydrous diazomethane using a Teflon AF-2400 membrane. **B. Gutmann**, C. Kappe

9:20 – 5. Monophasic generation and reaction of diazomethane for in-flow cyclopropanation. **A. Evans***, C. Ayoub

9:35 – 6. Flash chemistry enables chemoselective reactions of difunctional electrophiles with functionalized aryllithiums. **A. Nagaki**, S. Ishiuchi, K. Imai, J. Yoshida*

9:50 – 7. Liquid-liquid microflow for the Beckmann rearrangement of cyclohexanone oxime. J. Zhang, K. Wang, Y. Lu, **G. Luo***

10:15 – 8. Nucleophilic addition to nitrones using flow microreactors. **Y. Arakawa**, S. Ueta, K. Minagawa, Y. Imada*

10:30 – 9. Integrated reactions based on tl sequential additions to conjugated imines. **M. Shimizu***, I. Mizota

10:45 – 10. Flow synthesis of (*E*)-(*S*)-3-hydroxy-7-tritylthio-4-heptanoic acid, a key component of the natural product cyclodepsipeptide HDAC inhibitors. **M. Yoshida**, H. Otaka, K. Umeda, T. Doi*

11:00 – 11. [2+2+1] Cocylization using allenones, diketones, and bis(iodozincio-)methane. **R. Haraguchi**, S. Matsubara*

11:15 – 12. Study of scaled continuous flow production of metal-organic frameworks. **M. Rubio Martinez***, T. Hadley, K. Constanti, M. Batten, A. Polyzoz, K. Lim, M.R. Hill

11:30 – 13. Synthetic study of glycans using integrated reaction systems. **F. Koichi***, Y. Manabe

11:45 – 14. Controlling differentiation of mesenchymal stem cells with microfluidic flows. **H. Shum***, W. Lai

Wednesday, December 16, 2015

13:00 – 102. Continuous flow multistep synthesis. **T.F. Jamison***

13:25 – 103. Utilization of microflow technology for the site-selective modification of multifunctionalized molecules. **S. Fuse**, Y. Mifune, N. Tanabe, H. Nakamura, T. Takahashi

13:40 – 104. Synthesis of diisobutyl aluminum borohydride for the reduction of tertiary amides at ambient temperatures with the potential for continuous flow chemistry. **R. Snelling**, B. Singaram*

13:55 – 105. Bond expandability of the ultralong C-C bond in unsymmetrically substituted tetraarylpyracenes prepared by a flow microreactor method. **T. Suzuki***, Y. Uchimura, T. Takeda, R. Katoono, H. Kawai, K. Fujiwara, A. Nagaki, J. Yoshida

14:10 – 106. Three-component coupling of benzyne based on flash chemistry. **T. Kitamura**, D. Ichinari, A. Nagaki, J. Yoshida*

14:25 – 107. Microfluidic approach to integrated synthesis of thioquinazolinone derivatives. **H. Kim**, H. Lee, d. kim*, J. Yoshida*

14:40 – 108. Synthesis and reactions of ynolates using flow microreactors. **M. Shindo***

14:55 – 109. Synthesis and application of hexafluoropropyl methyl ether. **D. Lokhat***, K. Padayachee, A.K. Domah, N. Sunthpaul, N. Seocharan, D. Ramjugernath

15:10 – 110. Highly selective synthesis of organofluorine compounds using flow microreactors. **H. Amii***

15:25 – 111. Generation and reactions of perfluoroalkyl-substituted organolithiums using flow microreactors. **K. Hirose**, K. Akahori, S. Tokuoka, A. Nagaki, J. Yoshida*

15:40 – 112. Flow carbonylation based on reactive acyl intermediates. **I. Ryu***

6:05 – 113. Various applications of bacteriogenic iron oxide in a tube reactor and other systems for organic synthesis. **K. Mandai**, T. Fukuda, Y. Miyazaki, N. Hanata, H. Mandai, H. Hashimoto, T. Ema, J. Takada, S. Suga*

6:20 – 114. Toward development of chemo-enzymatic reactions under continuous-flow conditions. **R.M. de Souza***