

Monday, 19 February

Optional Workshop
Exercises in Quantitative Phase Identification

Tuesday, 20 February

Time	Type	Title of Paper	Speaker & Affiliation
9.00-9.30		WELCOMING REMARKS & INTRODUCTIONS	John Faber, International Centre for Diffraction Data, Newtown Square, Pennsylvania, USA
XRPD Structural Techniques (Acquisition and Use of XRPD Data, Indexing, Structure Determination, Rietveld Refinement) Session Chair: A. Kern, Bruker AXS GmbH, Karlsruhe, Germany			
9.30-10.30	Invited	QUANTITATIVE PHASE ANALYSIS OF PHARMACEUTICAL COMPOUNDS BY THE WHOLE-PATTERN DECOMPOSITION METHODS	Didier Clénet, Sanofi-Aventis, Vitry-sur-Seine, France
10.30-11.00	Contributed	DO 'STANDARD' DIRECT METHODS STILL HAVE A ROLE TO PLAY IN XRPD STRUCTURE DETERMINATION OF MOLECULAR SOLIDS?	Kenneth Shankland, CCLRC, Rutherford Appleton Lab, Chilton, Oxon, UK
11.00-11.30	Break		
11.30-12.00	Contributed	RE-EXAMINING STRUCTURE AND CRYSTALLINITY IN CELLULOSE	Timothy Fawcett, International Centre for Diffraction Data, Newtown Square, PA, USA
12.00-12.30	Contributed	STRUCTURE ANALYSIS FROM POWDER DIFFRACTION DATA SUPPORTED BY TOTAL ENERGY CALCULATIONS	Max Petersen, Accelrys, Inc., San Diego, CA, USA
Powder Diffraction Using Synchrotron Sources for Pharmaceutical Problems Chair: P. Stephens, Stony Brook University, Stony Brook, NY, USA			
12.30-13.30	Invited	POWDER DIFFRACTION USING SYNCHROTRON SOURCES FOR PHARMACEUTICAL PROBLEMS	Peter Stephens, Stony Brook University, Stony Brook, NY, USA
13.30-15.00	Lunch		

Afternoon	Complementary Techniques Session Chair: R. Suryanarayanan, University of Minnesota, College of Pharmacy, Minneapolis, MN, USA		
	Time	Type	Title of Paper
15.00-16.00	Invited	COMBINED XRD AND RAMAN COMBINATORIAL SCREENING	Arnt Kern, Bruker AXS, Karlsruhe, Germany
16.00-16.30	Break		
16.30-17.00	Contributed	X-RAY DIFFRACTION AND COMPLEMENTARY ANALYTICAL TECHNIQUES INCLUDING MICROSCOPY, RAMAN, AND SMALL ANGLE X-RAY SCATTERING	Linda Sauer, University of Minnesota, Minneapolis, MN, USA
17.00-17.30	Contributed	HOW TO COMBINE PXRD, RAMAN AND OTHER 1-D DATA IN HIGH THROUGHPUT POLYMORPH/SALT/CO-CRYSTAL STUDIES	Christopher Gilmore, University of Glasgow, Glasgow, Scotland, UK

Evening (18.30-21.00)		Poster Session	
Title of Paper		Speaker & Affiliation	
USAGE OF AN ADVANCED FULLPAT METHOD TO QUANTIFY AMORPHOUS MATERIAL		Detlef Beckers, PANalytical, Almelo, The Netherlands	
WHEN KEEN OBSERVATION SAVES YOU MONEY		Zvicka Deutsch, Ben Gurion University of the Negev, Be'er Sheva, Israel	
VALIDATING CRYSTAL STRUCTURES SOLVED FROM POWDER DIFFRACTION DATA USING THE dSNAP SOFTWARE		Christopher Gilmore, University of Glasgow, Glasgow, Scotland, UK	
POWDER X-RAY DIFFRACTION IN THE RANGE 2 THETA < 15° (lambda = 0.154nm)		Thomas Holz, AXO DRESDEN GmbH, Heidenau, Germany	
XRPD FOR NONDESTRUCTIVE CHARACTERIZATION OF SOLID DOSAGE FORMS		Vladimir Kogan, DANNALAB & PANalytical, Almelo, The Netherlands	
X-RAY POWDER DIFFRACTION PATTERN OF IMPENEM MONOHYDRATE		Fangling Needham, International Centre for Diffraction Data, Newtown Square, PA, USA	
SOLID STATE CHARACTERIZATION OF A POTENTIALLY ACTIVE BENZOTHAZOL DERIVATIVE		Marco Pallagrosi, Industria Farmaceutica Serono S.p.A., Guidonia Montecelio (RM), Italy	
CRYSTAL STRUCTURE DETERMINATION FROM POWDER X-RAY DIFFRACTION DATA		Liesbeth Theunissen, Johnson and Johnson Pharmaceutical Research and Development, Beerse, Belgium	

Wednesday, 21 February

Morning			
Formulation, Product Development, Drug Delivery and Polymorph and Salt Screening Session Chair: G. Stephenson, Eli Lilly & Company, Indianapolis, IN, USA			
Time	Type	Title of Paper	Speaker & Affiliation
9.00-10.00	Invited	PRACTICAL IMPLICATIONS OF SOLID STATE ATTRIBUTES DURING DRUG DISCOVERY AND DEVELOPMENT	Srini Venkatesh, Bausch & Lomb, Rochester, NY, USA
10.00-11.00	Invited	USE OF X-RAY POWDER DIFFRACTOMETRY IN DRUG DISCOVERY, PREFORMULATION AND DRUG PRODUCT CHARACTERIZATION	Raj Suryanarayanan, University of Minnesota, Minneapolis, MN, USA
11.00-11.30	Break		
11.30-12.00	Contributed	X-RAY POWDER DIFFRACTION AT THE HEART OF PHYSICAL FORM DISCOVERY IN CPOSS	Alastair Florence, University of Strathclyde, Glasgow, UK
12.00-12.30	Contributed	TBD	TBD
12.30-13.00	Contributed	HIGH RESOLUTION, HIGH THROUGHPUT X-RAY POWDER DIFFRACTION (HR HT XRPD) EXPERIMENTS AND DATA ANALYSIS	Detlef Beckers, PANalytical, Almelo, The Netherlands
13.00-13.30	Contributed	QUANTITATIVE ANALYSIS OF MIXTURES USING HIGH THROUGHPUT INSTRUMENTATION WITHOUT THE USE OF STANDARDS	Christopher Gilmore, University of Glasgow, Glasgow, Scotland, UK
13.30-13.30-15.00	Lunch		

Afternoon			
Patent and Regulatory Issues Chair: P.Varlashkin, GlaxoSmithKline, Durham, NC, USA			
Time	Type	Title of Paper	Speaker & Affiliation
15.00-16.00	Invited	TRENDS IN SOLID FORM PATENTS: COCRYSTAL IP OPPORTUNITIES AND CHALLENGES	Eyal Barash, Aptuit Consulting, West Lafayette, IN, USA
16.00-16.30	Break		
16.30-17.00		An Invitation to Participate in an XRD Round Robin	John Faber, International Centre for Diffraction Data, Newtown Square, Pennsylvania, USA

Thursday, 22 February

New Frontiers for XRD in Pharmaceutical R&D Session Chair: J. Han, Novartis Institutes for Biomedical Research, Inc., Cambridge, MA, USA			
Time	Type	Title of Paper	Speaker & Affiliation
8.30-9.30	Invited	CHARACTERIZATION OF INTACT PHARMACEUTICAL FILM-COATED TABLETS BY MICRODIFFRACTOMETRY	Hiroyuki Yamada, Mitsubishi Pharma Co., Kamisu, Ibaraki, Japan
9.30-10.30	Invited	THE ROLE OF PXRD IN QbD AND PAT	Shawn Yin, Bristol-Myers Squibb Co., New Brunswick, NJ, USA
10.30-10.45	Break		
10.45-11.15	Contributed	CHARACTERIZATION OF INSULIN MICROCRYSTALS IN PHARMACEUTICAL SUSPENSIONS	Mathias Norrman, Novo Nordisk, Bagsvaerd, Denmark
11.15-11.45	Contributed	GEOMETRY AND CONFIGURATION OF XRD SYSTEMS FOR PHARMACEUTICAL	Bob He, Bruker AXS, Madison, WI, USA
11.45-12.15	Contributed	NON-AMBIENT CONDITIONS X-RAY POWDER DIFFRACTION IN PHARMACEUTICAL INDUSTRY	Olaf Grassmann, F. Hoffmann-La Roche, Basel, Switzerland
12.15		Q&A/Closing Remarks	

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