

**“Chromatography in Process Development & Production” - Practical Workshop & Theory -  
Program  
May 3 - 5, 2011 in Stuttgart / Germany**

<b>Date</b>	<b>Presentation / Workshop Session</b>
<b>Tuesday May 3, 2011</b>	Reception, Organisation of TOSOH BIOSCIENCE GmbH Introduction of Participants and Staff of TOSOH BIOSCIENCE GmbH, Course objectives  Basics of Chromatography Part I
<b>Hotel Pullman Stuttgart Fontana</b>	<i>Coffee Break</i>  Basics of Chromatography Part II  <i>Lunch</i>  Column Packing  Strategy in Process Development Part 1: Method Development  <i>Excursion and Dinner</i>
<b>Wednesday May 4, 2011</b>	<i>Workshop - groups of 3-4 persons</i>  Practical Training:  Column Packing of axial and radial columns in lab scale and process scale, and Quality Assessment. Method Development Experiment and Method Optimization
<b>University of Stuttgart</b>	<i>Training in rotation</i>  <i>In between: Lunch</i>  <i>No formal arrangements for the evening</i>
<b>Thursday May 5, 2011</b>	Summary and Discussion of Practical Part  Strategy in Process Development Part 2: Optimization, Scale up and Production
<b>Hotel Pullman Stuttgart Fontana</b>	Strategy in Process Development Part 3: Practical Examples  <i>Coffee Break</i>  Resin Design in Modern Bioprocessing  Fast HPLC Analysis for Quality- and „In Process“-Control  Cleaning in Place & Sanitization  <i>Lunch</i>  Product Safety and Process Examples  Summary and Discussion