



UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA

Contribution ID: 552

Type: **Oral Presentation**

Biophysical Characterization of Biologics

Thursday, 12 July 2012 16:20 (20 minutes)

Abstract content
 (Max 300 words)

The pharmaceutical industry is currently being transformed due to the emergence of biologics (bio-pharmaceuticals), which offer many advantages over conventional small molecule drugs including, higher efficacy, reduced side effects, and the potential to cure disease compared to treating symptoms. The size and complexity of biologics, in comparison to small-molecule drugs, has brought a unique set of challenges to manufacturers. Products have to undergo rigorous characterisation to facilitate transition through discovery into development, eventual commercialisation, and their ultimate intended therapeutic use. Achieving this goal is dependent on the availability of appropriate analytical tools to provide an array of chemical and physical information. This talk will focus on some of the techniques we are currently implementing for reliable, high-resolution biochemical characterization of biologics, aimed at interrogating their sequence, structure and conformation.

Apply to be
 consider for a student
 award (Yes / No)?

No

Would you like to
 submit a short paper
 for the Conference
 Proceedings (Yes / No)?

No

Primary author: Dr STOYCHEV, Stoyan (CSIR – Biosciences. Molecular Biomedical Technologies Platform)

Presenter: Dr STOYCHEV, Stoyan (CSIR – Biosciences. Molecular Biomedical Technologies Platform)

Session Classification: Biophysics

Track Classification: Track F - Applied Physics