

**Your photo**

**Title: -------------------------------------------------------------------------------------------------------**

Name: xxxxxx

Stanford University School of Medicine, CA 94305, USA

Name: .....................................

University/ Organization, Country

**Abstract: (up to 250 Words)**

The treatment of bladder pathologies (e.g., tumors, cancers, infections, interstitial cystitis, neurogenic bladder) involves either oral or intravesical drug delivery. The intravesical delivery has the advantage (i) to reduce systemic side effects, (ii) to improve bioavailability of macromolecules or drugs with poor solubility and weak permeability, (iii) to directly target the drug towards the urothelial layers with potential sustained local therapeutic effects. Although intravesical treatments are widely used in bladder pathologies, the importance of bladder Biopharmaceutics is often neglected.The aims of this study were to assess the tissue permeability of the bladder and to characterize the transport of four drugs displaying different physico-chemical setups, including vertical static diffusion cell, microdialyseur and lab-patented device. Penetration results on different experimental setups were homogenous suggesting dependency on physico-chemical characteristics of drug and subsequent interaction with bladder wall structure. Oppositely, permeation varied consistently with experimental setup characteristics (i.e., permeation surface, receptor fluid volume and hydrodynamic). Mathematical modeling of drug transport through bladder wall is proposed considering scarce literature on this route of administration. Practical outcome of this study could drive compounding optimization towards improvement of safety and efficacy in patient undergoing intravesical administration.

**Biography (up to 100 words):**

XXXXXXX has completed his PhD at the age of 29 years from University of California San Francisco and University of Franche-Comté (France). He is hospital pharmacist, associated professor and director of a research team focusing on drug transport and Biopharmaceutics at Hospices Civils de Lyon and University of Lyon. He has published more than 50 papers in reputed journals and serving as an editorial board member of repute.

**Presenting author details**Full name:   
Contact number:

Session name/ track name:  
Category: (Oral presentation/ Poster presentation)  
Twitter account:  
Linked In account:

Email id:**xyzabc@samplemail.com**