

## 2<sup>nd</sup> ICDS Programe

Wednesday 6<sup>th</sup> June

<b>17.00 Opening</b>		
<b>Session I EPIDEMIOLOGY – geographic distribution and prevalence</b>		
17.10-17.30	Limbago B. M., C. M. Long, A. D. Thompson, G. E. Killgore, G. Hannett, N. Havill, S. Mickelson, S. Lathrop, T. F. Jones, M. Park, A. Cronquist, K. H. Harriman, L. C. McDonald, F. J. Angulo	Isolation and characterization of <i>Clostridium difficile</i> responsible for community-associated disease
17.30-17.50	Shin BM, EY Kuak SJ YOO, EC Kim, K Lee, JO Kang, JH Shin	Multicenter study of prevalence of toxin A+B+ and toxin A-B+ <i>Clostridium difficile</i> in Korea
17.50-18.10	Hell M. , D. Schmid, A. Indra, S. Huhulescu, M. Maaß and F. Allerberger	A cluster of <i>Clostridium difficile</i> associated disease – caused by a ribotype other than 027- in an University Hospital in Austria, 2006
18.10-18.30	Åkerlund, T., Unemo, M., Norén T. and Burman. L.G.	Recent international type 027/NAP1 <i>C. difficile</i> isolates have unchanged tdc and toxin production in vitro but extended resistance to new fluoroquinolones compared to historical Swedish isolates
<b>19.30 Welcome reception and dinner (Hotel Habakuk)</b>		

Thursday, 7<sup>th</sup> June

<b>Session II EPIDEMIOLOGY - clinical aspect, prevention, control</b>		
8.30-9.00	Loo V.	The changing epidemiology of <i>Clostridium difficile</i> in Quebec, Canada
9.00-9.20	Sánchez-Hurtado K. I, M. Corretge, E. Mutlu, R. McIlhone, J.M. Starr and I.R. Poxton.	A comparative study in the hospitalised elderly population in Edinburgh: what makes a patient susceptible to <i>Clostridium difficile</i> ?
9.20-9.40	Radsel A, Pokorn M., Rupnik M., Cizman M.	Three cases of <i>Clostridium difficile</i> infection in children
9.40-10.00	Levent B, BE Cital, R Kayali, A Gozalan, I H Arslan, 2 T Togan, H Bayrak, F Aktas, M Dizbay, S Kacar, N Sasmaz, A Azap, B Dokuzoguz, T Cirkin, DN Ozucelik, A Karademir, C Ustun, B Esenl	Epidemiological features of patients with <i>Clostridium difficile</i> -associated diarrhea
Coffee break		

<b>Session III MOLECULAR CHARACTERIZATION OF STRAINS</b>		
10.30-11.00	Fairweather N	<i>C. difficile</i> S-layer proteins: characterisation and potential in nanotechnology
11.00-11.20	Kato H. and Y. Arakawa	Detection of the toxin B gene of <i>Clostridium difficile</i> in stool specimens by loop-mediated isothermal amplification (LAMP) and direct typing of the <i>SlpA</i> gene by sequencing
11.20-11.40	Killgore G. , <u>S. Johnson</u> , J. Brazier, A. Thompson ,E. Kuijper , E. Frost, S. Sambol, W.E. Zukowski, D.N. Gerding , J. Pepin, B. Nicholson , P. Savelkoul, R.J. van den Berg, H. Kato, B. Limbago, C. Woods, L. C. McDonald	International multi-laboratory comparison of seven <i>Clostridium difficile</i> typing techniques

11.40-12.00	Emerson J., A. Wright, and N. Fairweather	CwpV, a variable cell wall protein of <i>Clostridium difficile</i>

12.00 – 14.00	Lunch	
14.00 – 16.00	Riley T. and Petersen L.	<b>ROUND TABLE</b> – Clinical laboratory testing for CDAD: pitfalls and progress
16.00 - 17.30	<b>POSTER SESSION</b> (with coffee served)	
17.30 - 19.00	Networking activities and meetings	
19.30	Dinner (Hotel Habakuk)	

Friday, 8<sup>th</sup> June

<b>Session IV PATHOGENESIS AND MOLECULAR BIOLOGY</b>		
8.30 – 9.00	Castagliuolo I	Immune responses and neuronal effects mediated by <i>C. difficile</i> -derived proteins
9.00 – 9.20	Deneve C., C. Janoir, C. Deloménie, A. Collignon	Antibiotics involved in <i>Clostridium difficile</i> – associated disease increase colonization factor gene expression
9.20 – 9.40	Merrigan M.M., J. Roxas, V.K. Viswanathan, N. Fairweather, D.N. Gerding and G. Vedantam.	Hypervirulent <i>C. difficile</i> strains have altered surface proteins and increased adherence to human intestinal epithelial cells
9.40 – 10.00	Dupuy B, R. Govind and S. Matamouros	TcdC, the negative regulator of toxin synthesis in <i>C.difficile</i>
10.00 – 10.20	Dineen S. S., A. C. Villapakkam, J. T. Nordman, and A. L. Sonenshein	Repression of <i>Clostridium difficile</i> toxin gene expression by CodY

10.20 – 10.45	Coffee break	
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<b>Session V C. difficile TOXINS</b>		
10.45 – 11.15	Aktories K.	Structure and functions of the glucosyltransferase domain of <i>Clostridium difficile</i> toxins
11.15 – 11.35	Gerhard R., S. Nottrott, J. Schoentaube, H. Genth, and I. Just	TcdA-induced apoptosis is P53-independent but depends on glucosylation of Rho GTPases
11.35 – 11.55	Reineke J., S. Tenzer, M. Rupnik, A. Koschinski, O. Hasselmayer, A. Schrattenholz, H. Schild and C. von Eichel-Streiber	Autocatalytic cleavage of <i>Clostridium difficile</i> toxin B
11.55 – 12.15	Gibert M., O. Knapp, R. Benz, B. Stiles, P. Boquet, C. Lamaze, <u>M. R. Popoff</u>	Entry of Clostridial binary toxins into cells

12.15 - 14.00	Lunch	
14.00 - 16.00	<b>POSTER SESSION</b>	

Session VI ANTIBIOTIC RESISTANCE		
16.00 – 16.30	Mastrantonio P.	New patterns in <i>Clostridium difficile</i> resistance to antibiotics
16.30 – 16.50	Drudy D, L Kyne, S Fanning	Emergence of a clindamycin resistant clone of <i>Clostridium difficile</i> PCR-027 in Dublin, Ireland
16.50 – 17.10	Goh S., K.P. Song, T. V. Riley and B. J. Chang	Phage-mediated transfer of antibiotic resistance genes in <i>Clostridium difficile</i>
17.10 – 17.30	Norén T, I. Alriksson, M. Unemo	Longitudinal monitoring of <i>Clostridium difficile</i> in Sweden in the context of antibiotic resistance and emergence of epidemic strains

## Saturday, 9<sup>th</sup> June

Session VII <i>C. difficile</i> IN ANIMALS AND FOOD		
8.30 – 9.00	Weese S.	<i>Clostridium difficile</i> in animals and food
9.00 – 9.20	Pirs T., M. Ocepek, M. Rupnik	<i>Clostridium difficile</i> isolated from food animals in Slovenia
9.20 – 9.40	Rodriguez-Palacios Alexander, Henry R. Stämpfli, Todd Duffield, J Scott Weese	Natural and experimental infection of neonatal calves with <i>Clostridium difficile</i>
9.40 – 10.00	Songer G. et al.	Isolation of <i>Clostridium difficile</i> from retail meats

10.00 – 10.30	Coffee break	
10.30 – 12.00		<b>ROUND TABLE</b> Research agenda
12.00	Closing remarks	
12.00-14.00	lunch (Hotel Habakuk)	

14.00-17.00	ECDC Working group meeting on <i>Clostridium difficile</i> (open for ICDS participants)	
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## ECDC working group meeting on *Clostridium difficile* - Programme

Saturday, 9<sup>th</sup> June from 14.00 to 17.00, 2007

Venue: Hotel Habakuk Congress centre, Maribor, Slovenia

**Objective:** Update of the epidemiology, control and prevention of *C. difficile*-associated disease in North America and Europe – what has happened during 2006-2007?

## Agenda

Opening of meeting – Peet Tüll and Maja Rupnik.

Presentations

*Clifford McDonald (US):* The changing epidemiology of *C. difficile* – the USA experience

*Andrew Pearson (UK):* Mandatory reporting of *C. difficile* – UK experience

*Petra Gastmeier (Germany)*. Infection control measures to limit the spread of *Clostridium difficile* - conclusion from the literature.

*Bruno Coignard (France)*: The French experiences.

Discussion - Ed Kuijper (NL)

End of meeting – Peet Tüll

The meeting is open to the ICDS Participants