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SUPPLEMENT 1

INTRACELLULAR BACTERIAL PATHOGENS: FROM STRUCTURE TO PATHOGENICITY

Organized by:

Proteome Centre for the Study of Intracellular Parasitism of Bacteria, Purkyně Military Medical Academy, Hradec Králové, Czech Immunological Society and Sanatorium EDEL Ltd., Zlaté Hory, Czech Republic
In: Jablonné nad Orlicí, Czech Republic, May, 22–24, 2002

Intracellular bacterial pathogens: From Structure to Pathogenicity
Jablonné nad Orlicí, Czech Republic, May, 22–24, 2002

Program

May 22, 2002

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| 15.00–18.00 | Registration of Participants |
| 18.05–18.30 | Proteome Center for the Study of Intracellular Parasitism of Bacteria: Current status – In Czech (J. Stulík) |
| 19.00–22.00 | Informal Mixer |

May 23, 2002

Theme 1: Proteomics Studies on Bacteria (Coordinator J. Stulík)

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| 8.30–9.00 | Genomic analysis of <i>Francisella tularensis</i> (Larsson, P.) |
| 9.00–9.30 | Mapping of <i>Francisella tularensis</i> proteins (Hubálek, M.) |
| 9.30–10.00 | Identification of <i>F. tularensis</i> proteins (Kasalová, I.) |
| 10.00–10.30 | Coffee break |
| 10.30–11.00 | Immuno-reactive proteins of <i>F. tularensis</i> (Havlasová, J.) |
| 11.00–11.30 | Functional profile of <i>F. tularensis</i> proteins (Hernychová, L.) |
| 11.30–12.00 | Proteinchip: The key for successful identification of <i>Francisella tularensis</i> in soil (Lundquist, M.) |
| 12.00–12.30 | An attempt to discriminate <i>Borrelia burgdorferi</i> sensu lato complex microbes according to the protein profile (Neubauerová, V.) |
| 12.30–13.30 | Lunch |

Theme 2: Microbe – Host Cell Interactions (Coordinator H. Kovářová)

- 13.30-14.00 The battle of two genomes: host Bcg locus and microbe *Francisella tularensis* (Kovářová, H.)
14.00-14.30 Bacterial effectors and host molecular targets, which control the origin, maturation, and final destiny of phagocytic vacuole containing the intracellular bacterial pathogen (Porkertová, S., Kovářová, H.)
14.30-15.00 Infection-induced cell cycle block and induction of apoptosis (Hrstka, R.)
15.00-15.30 Coffee break

May 23, 2002**Theme 2: Microbe – Host Cell Interactions – Continue** (Coordinator H. Kovářová)

- 15.30-16.00 Towards the intercellular communications during the primary infection of host with intracellular bacteria (Kroča, M.)
16.00-16.30 Local in vivo host responses to infection of mice with *Francisella tularensis* LVS (Kovářová, Z.)
16.30-17.20 Current state of art of Proteome Center goals Micro-cinematography of infected cells (Andělová, H.) An in vitro model of *Francisella tularensis* LVS infection (Černá, M.) Cytokine and chemokine mRNA expression during in vitro infection of phagocytic cells (Hartmanová, B., Fiedler, Z.) Phenotypic profile of phagocytic cells J774.2 infected with *Francisella tularensis* LVS microbes (Loudová, M.)
17.20-17.30 Break
17.30-18.00 Round-table discussion
18.00-18.30 Commercial Presentations
19.00 Conference Dinner

May 24, 2002**Discussion Session 1: Pathways controlling the resolution of infection** (Coordinator M. Kroča)

- 9.00-9.30 *Escherichia coli* strains colonizing the intestine change brush border enzyme function in gnotobiotic pigs (Kolínková, J., Kozáková, H., Lojda, Z., Šinkora, J., Řeháková, Z., Tlaskalová, H.)
9.30-10.00 Influence of *Bacillus firmus* on immune response and enterocyte brush-border enzyme levels in BALB/c and B10BR mice (Kozáková, H., Kolínková, J., Mlčková, P., Řeháková, Z., Prokešová, L.)
10.00-10.30 Radio-immuno-therapy with conjugated egg-yolk-antibodies: AIDS and other diseases (Kobilke, H.)
10.30-10.45 Coffee break

Discussion Session 2: Proteomic analysis of microbes (Coordinator A. Macela, J. Stulík)

- 10.45-11.15 Round-table discussion
11.15-11.30 Coffee break
11.30-12.00 From structure to pathogenicity: GroEL as an example (Macela A.)
12.00-12.15 Concluding remarks

List of Participants

Name	Institution
Valík David	Biomedica ČS, Czech Republic
Svozil Vladimír	EDEL, Czech Republic
Kobilke Hartmut	EGG-IMMUN Damsdorf Germany
Lundquist Margaretha	FOI NBC-Defence Umea, Sweden
Larson Par	FOI NBC-Defence Umea, Sweden
Krivjanská Jana	KRD, Czech Republic
Krivjanský Viktor	KRD, Czech Republic
Andělová Hana	Charles University in Prague, Faculty of Medicine in Hradec Králové, Czech Republic
Černá Monika	Faculty of Medicine Charles University, Czech Republic
Červinka Miroslav	Charles University in Prague, Faculty of Medicine in Hradec Králové, Czech Republic
Fiedler Zdeněk	Charles University in Prague, Faculty of Medicine in Hradec Králové, Czech Republic
Havlasová Jana	Charles University in Prague, Faculty of Medicine in Hradec Králové, Czech Republic
Krejsek Jan	Faculty of Medicine Charles University, Czech Republic
Loudová Martina	Faculty of Medicine Charles University, Czech Republic
Rudolf Emil	Charles University in Prague, Faculty of Medicine in Hradec Králové, Czech Republic
Kolínská Jiřina	Institute of Microbiology, Academy of Sciences of the Czech Republic, Prague, Czech Republic
Kozáková Hana	Institute of Microbiology, Academy of Sciences of the Czech Republic, Prague, Czech Republic
Nosková Lenka	Institute of Microbiology, Academy of Sciences of the Czech Republic, Prague, Czech Republic
Procházková Kateřina	Institute of Microbiology, Academy of Sciences of the Czech Republic, Prague, Czech Republic
Šimšová Marcela	Institute of Microbiology, Academy of Sciences of the Czech Republic, Prague, Czech Republic
Ruth Miriam	Institute of Microbiology, Academy of Sciences of the Czech Republic, Prague, Czech Republic (U.S.A.)
Hrstka Roman	Masaryk Memorial Cancer Institute, Brno, Czech Republic
Kročá Michal	Central Military Medical Institute, Prague, Czech Republic
Hartmanová Blanka	Purkyně Military Medical Academy, Hradec Králové, Czech Republic
Hernychová Lenka	Purkyně Military Medical Academy, Hradec Králové, Czech Republic
Hubálek Martin	Purkyně Military Medical Academy, Hradec Králové, Czech Republic
Kasalová Irena	Purkyně Military Medical Academy, Hradec Králové, Czech Republic
Kovářová Hana	Purkyně Military Medical Academy, Hradec Králové, Czech Republic
Kročová Zuzana	Purkyně Military Medical Academy, Hradec Králové, Czech Republic
Macela Aleš	Purkyně Military Medical Academy, Hradec Králové, Czech Republic
Neubauerová Věra	Purkyně Military Medical Academy, Hradec Králové, Czech Republic
Pavliš Ota	Purkyně Military Medical Academy, Hradec Králové, Czech Republic
Sheshko Valerie	Purkyně Military Medical Academy, Hradec Králové, Czech Republic
Stulík Jiří	Purkyně Military Medical Academy, Hradec Králové, Czech Republic