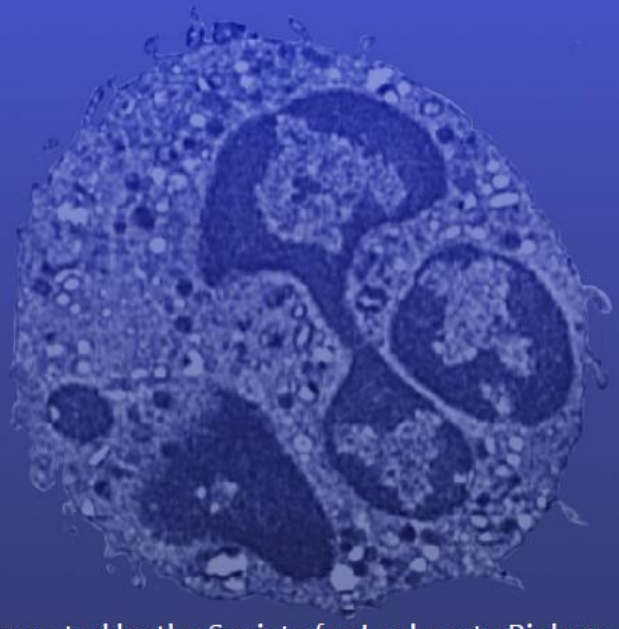
International Symposium

The Neutrophil in Immunity

Québec, Canada June 9-12, 2012

www.neutrophil2012.ca



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Program and Abstracts

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International Symposium
The Neutrophil in Immunity 2012
Québec, QC, Canada
June 9-12

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General Information

Date:
Saturday June 9 – Tuesday June 12, 2012.

Site of the symposium:
Loews Le Concorde Hotel
1225 Général-De Montcalm Court
Quebec City (Québec), Canada G1R 4W6
is the official venue for the symposium and accommodations.
Tel.: 418-647-2222, 1-800-463-5256
Web Site: www.loewshotels.com
Oral presentations: Ballroom
Poster presentations: Ballroom Foyer

Official language:
All presentations are in English, no simultaneous translation is available.

Internet access:
Internet access for meeting delegates will be available during the tenure of the symposium in the hotel Business Center (street level). Free Wi-Fi internet will be available in the Ballroom throughout the meeting. The hotel will arrange internet connections in guest rooms for a daily fee.

Structure of the symposium:
The opening session will take place on the evening of June 9. After that, the meeting is organized in one morning session (8h30-12h00) and one afternoon session (14h00-17h30 or 18h20) with state-of-the-art invited lectures and oral presentations. Posters are on display throughout the symposium from Sunday 7h30 to Monday 18h00. Authors are requested to be present during the Poster session scheduled on Monday afternoon.

All speakers are requested to bring their Powerpoint presentation (CD or other electronic medium) prior to the beginning of their oral session to the Registration desk.

Registration:
Registration includes admission to scientific sessions (oral and posters), three continental breakfasts, morning and afternoon coffee breaks, the Welcoming Reception (Saturday evening), two complimentary lunches (Sunday and Monday) and a cocktail (Monday afternoon)

Registrants will receive a folder containing conference materials, the abstract book and a list of registered participants. The registration fee for students (undergraduates, graduates, residents, fellows, etc.) is applicable only if proof of student status is provided.

Late Registration Fees:
Regular CAD $ 550.00
Student $ 400.00
Single day $ 200.00
Accompanying person $ 200.00

Mode of payment:
Credit card (Visa, Master Card and American Express):
Please specify card number, expiry date, name of cardholder with signature.
Personal checks are not accepted.

Trainees' Oral session and Awards:
Cash prizes will be awarded to the three best presentations made by students/trainees during the dedicated oral sessions (Sunday 16h40-17h30 and Monday 11h10-12h00). The selection will be determined by a jury on the basis of the quality of both the abstract and presentation (scientific content, originality, rationale and clarity).

Proceedings:
The Journal of Leukocyte Biology will publish a cluster of articles related to the Symposium The Neutrophil in Immunity. Some articles (overviews or original research articles) will be invited on the basis of novelty and excellence; others may be voluntarily submitted by any Symposium participant. The deadline for electronic submission is November 1, 2012. Participants will receive detailed instructions for either invited or voluntary submission by e-mail after the meeting. All contributions will be subject to the regular peer-review process of the JLB and may be rejected.

Social program:
All registered participants and accompanying guests are invited.
Saturday June 9, 20h15: Welcoming reception and Light Dinner
Monday, June 11, 17h30: Cocktail
Admission included in registration fees.

Optional Pub Dinner on Monday June 11 after the cocktail: $30 per person. Location: Pub D'Orsay, 65 rue de Buade, Downtown Quebec City (directions on p. 10).

From the hotel, you are minutes away from the lively nightlife of Grande-Allée bars and clubs and of the old city district of Québec, a World Heritage Site. Several fine restaurants and museums are nearby, e.g. the Quebec Fine-Arts Museum, Museum of Civilizations, Museum of French America. The Battlefields Park, a vast green area above the St. Laurence River, is just across the street from the hotel. The hotel Concierge can propose many activities including city tours.

Secretariat:
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to Pub d'Orsay
65, rue de Buade
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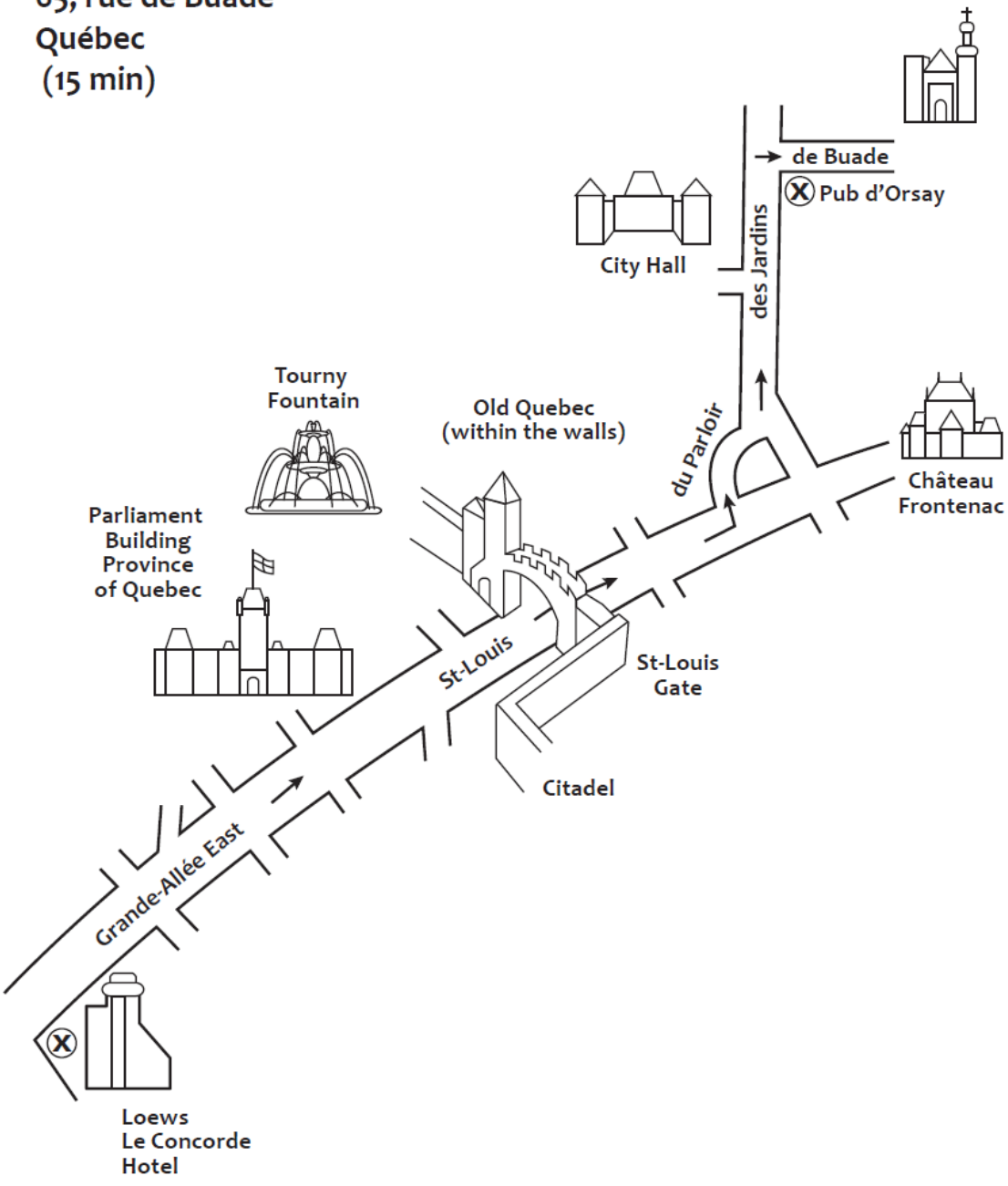
(15 min)



Scientific Program

Oral presentations: Ballroom

Saturday, June 9, 2012 :

15h00 – 18h00	Registration
19h00	The SLB Session Chair: William M. Nauseef (Coralville, IA, USA) Brief overview of the SLB Introductory Remarks: Maria Fernandes, Patrice E. Poubelle
	Keynote Lecture :
19h15	Andrea Cerutti, New York, NY, USA: Regulation of antibody diversification and production by neutrophils
20h00	Welcoming Reception and Light Dinner, Ballroom Foyer

Sunday, June 10 :

8h00	Continental breakfast, Ballroom Foyer

Session I

Neutrophil Functions and Beyond

Chairs: Sergio Grinstein, Paul H. Naccache, Sylvain Bourgoin

8h30 – 8h55	Niels Borregaard, Copenhagen, Denmark: Neutrophil granule subsets. Their content and significance
8h55 – 9h20	Leo Koenderman, Utrecht, The Netherlands: Differential functions of neutrophil phenotypes
9h20 – 9h45	Sonja Vermeren, Cambridge, UK: ARAP3 regulates neutrophils
9h45 – 10h10	Sergio Catz, La Jolla, CA: Molecular mechanisms regulating vesicle dynamics and secretion in granulocytes
10h10 – 10h45	Break (beverage service, Ballroom Foyer)
10h45 – 11h10	Arturo Zychlinsky, Berlin, Germany: NETs – From infection to autoimmunity
11h10 – 11h35	Sophie Dupré-Crochet, Orsay, France: Phosphatidylserine regulates NADPH oxidase activity by mediating p47 and Rac2 translocation during phagocytosis
11h35 – 12h00	Michael Glogauer, Toronto, ON: Reactive oxygen species regulate PIP3 and the chemotactic compass through oxidation of PIP3K and PTEN

12h00 – 14h00 Complimentary Lunch

Session II

Receptors, Signalling and Soluble Mediators

Chairs: Marco A. Cassatella, William S. Powell, Patrick McDonald

14h00 – 14h25 Hans-Uwe Simon, Bern, Switzerland: Apoptosis and other forms of neutrophil cell death

14h25 – 14h50 Véronique Witko-Sarsat, Paris, France: Role of the proliferating cell nuclear antigen scaffolding in the control of neutrophil survival

14h50 – 15h15 Patrick P. McDonald, Sherbrooke, QC, Canada: Signaling pathways controlling cytokine production by human neutrophils

15h15 – 15h45 Ralph Kettritz, Berlin, Germany: Neutrophil activation by anti-neutrophil cytoplasmic autoantibodies (ANCA)

15h40 – 16h15 Break (beverage service, Ballroom Foyer)

16h15 – 16h40 Pierre Bruhns, Paris, France: Neutrophils and IgG: novel actors in allergic shock

16h40 – 17h30 **The Trainees' Session – Part 1**: Sponsored by CIHR. Four oral presentations selected from volunteered abstracts (12 min + 3 min discussion)

- Mathieu-Benoit Voisin, London, UK: Pericytes support neutrophil sub-endothelial cell crawling and breaching of venular walls *in vivo*
- Paula Nunes, Geneva, Switzerland: STIM1 juxtaposes ER membranes to neutrophil phagosomes generating local Ca^{2+} microdomains that promote phagocytosis
- Janesh Pillay, Utrecht, The Netherlands: Neutrophils can inhibit T-cell responses and limit influenza induced pathology
- Mallary C. Greenlee-Wacker, Iowa City, IA, USA: Neutrophils fed *Staphylococcus aureus* bind to macrophages, inhibit uptake by macrophages and diminish the subsequent innate immune response

Monday, June 11 :

8h00 Continental breakfast, Ballroom Foyer

Session III

Cell-cell Interactions

Chairs: Jean-Michel Dayer, Maria Fernandes, Patrice E. Poubelle

8h30 – 8h55 Marco A. Cassatella, Verona, Italy: Neutrophils at the interface between innate and adaptative immunity

8h55 – 9h20 Paul Kubes, Calgary, AB, Canada: How neutrophils migrate to sites of infection and sterile injury

9h20 – 9h45 Yoseph A. Mekori, Tel Aviv, Israel: Mast cell activation by heterotypic adhesion to T cells: from close physical contact to distant effects

9h45 – 10h10 Lennart Lindbom, Stockholm, Sweden: Neutrophil-induced derangement of the endothelial barrier in acute inflammation

10h10 – 10h45 Break (beverage service, Ballroom Foyer)

10h45 – 11h10 Fabienne Tacchini-Cottier, Epalinges, Switzerland: Crosstalks between neutrophils and dendritic cells during infection with the protozoan parasite *Leishmania*

11h10 – 12h00 **The Trainees' Session – Part 2**: Sponsored by CIHR. Four oral presentations selected from volunteered abstract (12 min + 3 min discussion)

- Giulia Germena, Torino, Italy: The Rac-GAP ArhGAP15 regulates neutrophil bone marrow egression
- Kristof Van Avondt, Utrecht, The Netherlands: Control of phagocyte activation: signal inhibitory receptor on leukocytes-1 (SIRL-1) regulates the oxidative burst in phagocytic cells
- Sanjivan Gautam, Freiburg, Germany: ER-stress, BIM-dependent apoptosis and bone marrow retention contribute to neutropenia due to glucose-6-phosphatase 3 (G6PC) deficiency in a mouse model of neutrophil differentiation
- David N. Douda, Toronto, ON, Canada: Surfactant protein D suppresses the formation of neutrophil extracellular traps

12h15 – 13h15 Complimentary Lunch, Place Montcalm Room

Session IV

Poster Session: Place Montcalm Room

Chairs: François Marceau, Denis Girard

13h00 – 16h00 Poster presentation. Authors are requested to be present during one half of the Poster Session: for odd numbers, 13h00-14h30; for even numbers, 14h30-16h00.

16h00 – 16h15 Break (beverage service in the Ballroom Foyer)

Mini-Workshop: Ballroom

Update on Methodologic Approaches to Understanding Neutrophil Biology

Chairs: Kenneth McLeish, Maria Fernandes

16h15 –16h40 Stephen A. Renshaw, Sheffield, UK: Zebrafish as a model for studying neutrophil biology.
17h05–17h30 Sergio Grinstein, Toronto, ON, Canada: Actin cytoskeleton reorganization by tyrosine kinase increases Fc-γ receptor mobility
17h30–17h55 Kenneth McLeish, Louisville, KY, USA: Can proteomics answer fundamental questions about neutrophil biology?
17h55-18h20 Michael P. Gantier, Clayton, VIC, Australia: MicroRNAs: Small tools to elucidate big questions in neutrophil biology

Cocktails and Awards for the Trainees' Session: Jean-Paul Lemieux Room
18h30 Poster Awards and Cocktail.

19h30 Optional Pub Dinner: Pub D'Orsay, 65 Rue De Buade, Québec.

Tuesday, June 12 :

8h00 Continental breakfast, Ballroom Foyer

Session V
Neutrophils in the Clinic
Chairs: Sara M. Rankin, Patrice E. Poubelle, Claude Perreault

8h30 – 8h55 Nancy Berliner, Boston, MA, USA: Approach to the patient with neutropenia
8h55 – 9h20 Sara Rankin, London, UK: Molecular mechanisms regulating neutrophil clearance in the bone marrow
9h20 – 9h45 A. McGarry Houghton, Seattle, WA, USA: Intracellular functions of neutrophil elastase in cancer
9h45 – 10h10 Jens Altrichter, Rostock, Germany: Extracorporeal cell therapy of septic shock patients with donor granulocytes – Results of a clinical trial

10h10 – 10h45 Break (beverage service, Ballroom Foyer)

1045 – 11h00 Mary C. Dinauer, St. Louis, MO, USA: Function and regulation of neutrophil oxidant production: Insights from chronic granulomatous disease
11h10 – 11h35 Peter A. Nigrovic, Boston, MA, USA: Modulating neutrophil migration to the joint
11h35 – 12h00 Michel Gilliet, Lausanne, Switzerland: Netting neutrophils in the pathogenesis of systemic autoimmunity

12h05 – 12h10 Concluding Remarks

Poster Session:

Posters are on display in the Place Montcalm Room, from Sunday 7h30 to Monday 18h00.

Authors are requested to be present during one half of the Poster Session: for odd numbers, 13h00-14h30; for even numbers, 14h30-16h00.

P1 Jones, C.N., Dimisko, L., Moore, M., Fagan, S. Irimia, D. Microfluidic assay to quantify neutrophil directional migration speed in burn patients.

P2 Nadkarni, S., Dalli, J., Hollywood, J., Mason, J.C., Dasgupta, B., Perretti, M. Modulation of elements of the annexin-A1 pathway in giant cell arteritis by glucocorticoids: a longitudinal study that reveals an uncontrolled neutrophil component.

P3 Novak, T., Fortune, F., Hagi-Pavli, E. Regulation of neutrophil elastase in the oral mucosa.

P4 Chiewchengchol, D., Beresford, M.W., Deekajondat, T., Hirankarn, N., Edwards, S.W. Defective neutrophil phagocytosis in juvenile systemic lupus erythematosus.

P5 van Egmond, M. Neutrophil FcαRI aggravates intestinal inflammation in colitis.

P6 Lakschevitz, F., Glogauer, M. Gene expression profile of neutrophils – From vasculature to the site of inflammation.

P7 Hänsch, G.M., Mayer, B., Maurer, S., Gaida, M.M. Polymorphonuclear neutrophils link infection with bone erosion in patients with osteomyelitis.

P8 Altrichter, J., Koch, S., Doss, F., Doss, S., Mitzner, S.R. Extended storage of granulocyte apheresates for clinical transfusions.

P9 de Kleijn, S., Langereis, J., Leentjens, J., Kox, M., Koenderman, L., Ferwerda, G., Pickkers, P., Hermans, P. Interferon γ drives neutrophils to suppress T cells.

P10 de Kleijn, S., Kox, M., Sama, I., Pillay, J., Huijnen, M., Hoeven, J. van der, Ferwerda, G., Hermans, P., Pickkers, P. Transcriptome kinetics of circulating neutrophils during human experimental endotoxemia.

P11 Aboodi, G.M., Lakschevitz, F., Goldberg, M.B., Glogauer, M. Oral neutrophils from patients with chronic periodontitis present with an intracellular antioxidant deficiency.

P12 Sundqvist, M., Wekell, P., Osla, V., Bylund, J., Christenson, K., Sävman, K., Fasth, A., Berg, S., Brown, K.L., Karlsson, A. Neutrophils show increased

intracellular ROS production during febrile episodes of the pediatric autoinflammatory syndrome PFAPA.

P13 Uriarte, S.M., Fernandez-Botran, R., Rodriguez-Hernandez, L., Le, J., Camp, J.V., Rane, M.J., Peyrani, P., Wiemken, T., Uppatla, S., Cavallazzi, R., Arnold, F., Bordon, J., Ramirez, J.A. Neutrophil activation and cytokine response predict the outcome of patients with community-acquired pneumonia.

P14 Kuhns, D.B., Malech, H.L., Gallin, J.I., Holland, S.M. et al. Mutations in actin-interacting protein 1: a novel genetic disease with cytoskeletal anomalies, neutrophil dysfunction, and recurrent infections.

P15 Brandau, S., Trellakis, S., Bruderek, K., Lang, S., Dumitru, C. Neutrophil granulocytes (PMN) as mediators of tumor progression in head and neck cancer.

P16 Brandau, S., Trellakis, S., Bruderek, K., Lang, S. Immunophenotyping and expansion of granulocytic myeloid-derived suppressor cells in head and neck cancer.

P17 Galdiero, M.R., Grizzi, F., Laghi, L., Garlanda, C., Mantovani, A., Jaillon, S. Predictive clinical outcome of peritumoral neutrophils in patients with colorectal cancer.

P18 Guglietta, S., Chiavelli, A., Zagato, E., Rescigno, M. Role of neutrophils in intestinal tumorigenesis.

P19 Hilvering, B., Luijk, B., ten Hove, W., Koenderman, L. Identification of neutrophilic asthma by unbiased cluster analysis based on staining of activated FcγRII (CD32) on granulocytes.

P20 Dyugovskaya, L., Polyakov, A., Lavie, P., Lavie, L. Decreased neutrophil apoptosis in intermittent hypoxia in vitro and in vivo.

P21 Rajarathnam, K., Sawant, K., Kolli, D., Garofalo, R. Choreography of chemokine-mediated neutrophil recruitment in health and disease – Insights from animal models.

P22 Klein, A., Ferreira, R.G., Matsui, T.C., Pereira-Silva, P.E.M., Menezes, G.B., Godin, A.M., Coelho, M.M. Nicotinamide inhibits in vivo neutrophil migration in intravital studies and in experimental pleurisy in mice.

P23 Marques, P.E., Amaral, S.S., Pires, D.A., Nogueira, L.L., Oliveira, A.G., Teixeira, M.M., Menezes, G.B. Neutrophils promote additional hepatocyte damage through CXCR2 and FPR1 activation during drug-induced acute liver failure.

P24 Nunes-Silva, A., Bernardes, P.T.T., Rezende, B.M., Menezes, G.B., Gomes, E.C., Teixeira, M.M., Pinho. V. Neutrophil recruitment to the skeletal muscle after treadmill exercise to fatigue is associated to production of ROS.

P25 Burgon, J., Robertson, A.L., Hurlstone, A., Wang, X., Ingham, P.W., Whyte, M.K.B., Renshaw, S.A. Serum and glucocorticoid regulated kinase 1 (SGK1) regulates neutrophil clearance during inflammation resolution.

P26 Li, J.L.Y., Tay, F.W., Ng, L.G. In vivo multiphoton microscopy investigations of the role of neutrophil dynamics in the progression of immune complex-mediated inflammation.

P27 Dal-Secco, D., Wong, C.H.Y., Jenne, C.N., Kubes, P. Role of neutrophil in the post acute phase of sterile injury in the liver.

P28 Slaba, I., McDonald, B., Kubes, P. Platelet role in sterile inflammation.

P29 Levy, R., Burgazliev, O., Elgazar-Carmon, V., Hadad, N., Rudich, A. Neutrophils infiltration of intra-abdominal fat is necessary for short-term high fat diet induced hepatic insulin resistance.

P30 Pelletier, M., Bulua, A.C., Myerowitz-Vanderhoek, S., Kastner, D.L., Siegel, R.M. Characterization of the inflammatory processes involved in the familial autoinflammatory disease TRAPS (TNFR-associated periodic syndrome).

P31 Bastien, D., De Rivero-Vaccari, J.P., Keane, R., Lacroix, S. Involvement of the IL-1 system in neutrophil and proinflammatory monocyte recruitment and functional recovery after spinal cord injury.

P32 Paré, A., Cloutier, N., Boilard, E., Lacroix, S. In vivo imaging of neutrophils in inflammed tissues using two-photon microscopy.

P33 Lévesque, S.A., Paré, A., Lessard, M., Lacroix, S. Absence of IL-1β alters fate of neutrophils and delays experimental autoimmune encephalomyelitis (EAE).

P34 Kim, J., Aguilar-Valles, A., Cui, K., Jung, S., Luheshi, G.N. Systemic LPS induces IL-1 β expressing neutrophil recruitment into the brain.

P35 Wang, J., Nigrovic, P.A. Modulating neutrophil recruitment to the joint.

P36 Suga, M., Hamamoto, M., Yamazak, S., Nakatani, T. Neutrophil anesthesia – New strategy for the protection of surgery-associated lung injury.

P37 Richard, J.-F., Roy, M., Tremblay, P., Dumas, A., Vallières, L. CXCL1 can be regulated by interleukin-6 and promotes granulocyte adhesion to brain capillaries during bacterial toxin exposure and encephalomyelitis.

P38 Allaeys, I., Chakravarti, A., Poubelle, P.E. Pathological bone resorption during chronic inflammatory arthritis: Role of neutrophil interactions with osteoblasts and osteoclasts.

P39 Gymninova, I., Allaeys, I., Rusu, D., Poubelle, P.E. Inflammatory neutrophils express RANK in K/BxN serum transfer model of arthritis.

P40 Moreland, J.G., Whitmore, L.C. NOX2 protects against the development of inflammatory lung disease and mortality following systemic inflammatory insults.

P41 Amaral, S.S., Marques, P.E., Pires, D.A., Nogueira, L.L., Teixeira, M.M., Menezes, G.B. Chemokines and formyl-peptides collaborate in neutrophil-mediated hepatocyte damage during acetaminophen overdose.

P42 Castanheira, F.V.S., Sônego, F., Kanashiro, A., Czaikoski, P.G., Cunha, T.M., Alves-Filho, J.C., Cunha, F.Q. CCR5 expression on neutrophils plays a protective role during experimental sepsis.

P43 Rane, M.J., Jin, S., Merchant, M.L., Ritzenthaler, J.D., McLeish, K.R., Roman, J., Klein, J.B. Baclofen, a $GABA_B$ receptor agonist, inhibits immune complex deposition induced acute lung injury by blockade of thrombospondin-1 release in bronchoalveolar lavage fluids in rats.

P44 Paclet, M.H., Baillet, A., Hograindleur, M.A., El Benna, J., Grichine, A., Berthier, S., Morel, F. 6-Phosphofructo-2-kinase: A new modulator of neutrophil NADPH oxidase activity.

P45 Nüsse, O., Tlili, A., Erard, M., Dupré-Crochet, S. Control of p67phox translocation to the phagosome in correlation with phagosomal ROS production.

P46 Kumar, S., Xu, J., Zheng, Y., Filippi, M.-D. Wiscott Aldrich syndrome protein (WASp) regulates Cdc42 mediated neutrophil polarity via lipid raft, CD11b and microtubule reorganization.

P47 Demaurex, N., El Chemaly, A. HV1 proton channels sustain ROS production inside neutrophil phagosomes and prevent their alkalinisation.

P48 Gallais, Y., Turbica, I., Gleizes, A., Drouaz, N., Gorges, R., Tharinger, H., Nicolas, V., Pallardy, M., Chollet-Martin, S. Neutrophil-derived ectosomes modulate dendritic cell maturation.

P49 Naegelen, I., Plançon, S., Muller, A., Kaoma, T., Nicot, N., Vallar, L., Tschirhart, E.J., Bréchard, S. Analysis of lipopolysaccharide-mediated degranulation and cytokine secretion in neutrophils.

P50 Rollet-Labelle, E., Vaillancourt, M., Marois, L., Newkirk, M.M., Poubelle, P.E., Naccache, P.H. Activation of circulating neutrophils via their Fcγ receptors:

Possible involvement of rheumatoid factors in rheumatoid arthritis-associated vascular damage.

P51 Chouinard, F.C., Davis, L., Gilbert, C., Rollet-Labelle, E., Bourgoin, S.G. A role for AGAP2/PIKE-A in Fcγ receptor-mediated phagocytosis in neutrophils.

P52 Paget, B.W., Haigh. B.J., Harper, J.L. Bovine cathelicidin peptides induce differential effects on neutrophil activity in a sequence and structure dependent manner.

P53 Wright, H.L., Thomas, H.B., Moots, R.J., Edwards, S.W. Discovering cytokine-specific gene expression profiles in inflammatory neutrophils using whole transcriptome sequencing.

P54 Thomas, H.B., Wright, H.L., Moots, R.J., Edwards, S.W. Developing a pipeline for whole transcriptome sequencing of inflammatory neutrophils.

P55 Marois, L., Gagné, V., Levesque, J.-M., Galarneau, H., Tessier, P., Fernandes, M. J. G. Regulation of human neutrophil activation by Myeloid inhibitory C-type Lectin-like.

P56 Roberts, K.J., Moots, R.J., Edwards, S.W. Inhibition of NAMPT decreases the ability of human neutrophils to generate reactive oxidants but does not impair bacterial killing.

P57 Simard, F., McDonald, P.P. Uncoupling of the MEK/ERK signaling module in human neutrophils.

P58 Mayer, T.Z., Fortin, C.F., McDonald, P.P. Post-transcriptional control of human neutrophil responses by BY MNK1.

P59 Dalli, J., Serhan, C.N. Human neutrophils and microparticles regulate the biosynthesis of lipoxins, resolvins, protectins and maresins by macrophages.

P60 Bratton, D.L., Frasch, S.C., Nicks, M., Holland, S., Fernandez-Boyanapalli, R.F. PPAR agonism restores efferocytosis of neutrophils (N) in chronic granulomatous disease (CGD) by enhancing oxidant production and "eat me " signaling.

P61 Frasch, S.C., Fernandez-Boyanapalli, R.F., Nicks, M., Bratton, D.L. Oxidant-modified lysophosphatidylserine (lysoPS) on recruited neutrophils (N) signals via G2A for "early" clearance by macrophages (M) in vivo: Implications for chronic granulomatous disease (CGD).

P62 Steiger, S., Harper, J.L. TGFβ1-mediated self-regulation of neutrophil respiratory burst during the resolution in acute inflammation.

P63 Patel, K.K., Poon, I.K., Hoogenraad, N.J., Hulett, M.D. Histidine-rich glycoprotein is processed by neutrophil elastase and regulates neutrophil function.

P64 Simard, J.-C., Antoine, F., Tessier, P.A., Girard, D. Proinflammatory functions of S100A8 and S100A9.

P65 Gabelloni, M.L., Sabbione, F., Jancic, C.C., Geffner, J.R., Trevani, A.S. NADPH oxidase-derived reactive oxygen species are involved in human neutrophil IL-1β secretion but not in inflammasome activation.

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