

XXIV RABIES IN THE AMERICAS
INTERNATIONAL MEETING

*Rabies Elimination in a Changing World:
The Environmental and Socio-Economic
Challenges to Rabies Prevention and Control*



PROGRAMME AND SCHEDULE
PROGRAMME ET CALENDRIER
PROGRAMA Y CALENDARIO
PROGRAMA E PROGRAMAÇÃO

HYATT REGENCY HOTEL
TORONTO, ONTARIO, CANADA

OCTOBER 27TH – 31ST, 2013

WELCOME!

On behalf of the Centre for Public Health and Zoonoses (CPHAZ), I welcome you to the 24th Rabies in the Americas International Meeting (RITA). This year's conference theme is "Rabies Elimination in a Changing World: The Environmental and Socio-Economic Challenges to Rabies Prevention and Control". This meeting provides an opportunity for researchers, health professionals, international, national and local managers of rabies programs, wildlife biologists, laboratory personnel and other people interested in advancing knowledge of rabies surveillance, prevention and control, to meet each other, to share their successes and also to discuss the challenges to be met.

The organizers would like to thank our invited speakers, as well as all those individuals and groups who responded to our call to present their work at RITA 2013 as presentations and posters. In addition, we would like to thank all of our sponsors for helping make this event a success.

Overall, we hope that this meeting will challenge the way you think, provide lasting tangible benefits, and ultimately lead to the elimination of rabies. Special greetings to those of you who are visiting Toronto for the first time. I trust you will enjoy your stay, and hope that you have the opportunity to explore this city while you are here.

Best wishes for an enjoyable and informative meeting.



Jan M. Sargeant

Director, Centre for Public Health and Zoonoses,
and
Professor, Department of Population Medicine,
Ontario Veterinary College, University of Guelph

On behalf of the International Steering Committee, welcome to the 24th Annual International Conference on Rabies in the Americas (RITA).

The RITA is a major international event, sharing a myriad of topics, including the surveillance, diagnostics, pathobiology, prevention and control of this zoonosis, focusing upon humans, domestic animals and wildlife, drawing from a world renowned group of experts.

We thank the organizers for all of their valiant efforts, and look forward to an exciting program, sharing knowledge, renewing long term contacts, initiating collaborative projects, and making new acquaintances, in a wonderful venue.

Sincerely,

Charles E. Rupprecht

Charles E. Rupprecht, VMD, MS, PhD
President
RITA, Inc.
and
Director of Research
Global Alliance For Rabies Control
charles.rupprecht@rabiesalliance.org
<http://rabiesalliance.org/>

BIENVENUE!

Au nom du Centre pour la santé publique et de lutte contre les zoonoses (CPHAZ), je vous souhaite la bienvenue à la 24^e conférence internationale sur la Rage dans les Amériques (RITA). Le thème de la conférence de cette année est «L'élimination de la rage dans un monde en mutation: les défis environnementaux et socio-économiques sur la prévention et de la lutte contre la rage". Cette réunion est l'occasion pour les chercheurs, les professionnels de la santé, les gestionnaires internationaux, nationaux et locaux, les responsables des programmes contre la rage, les biologistes de la faune, le personnel de laboratoire et d'autres personnes qui s'intéressent à l'avancement des connaissances de la surveillance de la rage, de prévention et de contrôle, de se rencontrer, de partager leurs réussites et aussi de discuter des défis à relever.

Les organisateurs tiennent à remercier nos conférenciers invités, ainsi que tous les individus et groupes qui ont répondu à notre appel pour présenter leur travail à RITA 2013, des présentations ainsi que les affiches. En outre, nous tenons à remercier tous nos commanditaires pour leur aide en rendant cet événement un succès.

Dans l'ensemble, nous espérons que cette réunion relèvera le défi sur la mise à jour des connaissances, de fournir des avantages tangibles et durables, et finalement conduire à l'élimination de la rage. Salutations spéciales à ceux et celles d'entre vous qui visitent Toronto pour la première fois. J'espère que vous apprécierez votre séjour, et j'espère que vous aurez l'occasion de découvrir la Ville Reine pendant que vous êtes ici.

Meilleurs souhaits pour une réunion agréable et stimulante.



Jan M. Sargeant

Directrice du Centre for Public Health and Zoonoses

et

Professeure, Department of Population Medicine, Ontario Veterinary College, University of Guelph

Au nom du Comité directeur international, bienvenue à la 24^e Conférence internationale annuelle sur la Rage dans les Amériques (RITA).

Le RITA est un événement d'envergure internationale, le partage d'une myriade de sujets, y compris la surveillance, le diagnostic, la pathobiologie, la prévention et le contrôle de cette zoonose, en se concentrant sur les humains, les animaux domestiques et sauvages, et en s'appuyant sur un groupe de renommée mondiale d'experts dans le domaine.

Nous remercions les organisateurs pour tous leurs vaillants efforts, et nous nous réjouissons de présenter un programme passionnant, le partage des connaissances, le renouvellement des contacts à long terme, le lancement de projets collaboratifs, et faire de nouvelles connaissances, dans un lieu merveilleux.

Cordialement,

Charles E. Rupprecht

Charles E. Rupprecht, VMD, MS, PhD

Président

RITA, Inc.

et

Directeur de la recherche

Global Alliance For Rabies Control

charles.rupprecht@rabiesalliance.org

<http://rabiesalliance.org/>

¡BIENVENIDOS!

A nombre del Centro de Salud Pública y Zoonosis (CPHAZ), le doy la más cordial bienvenida a la Vigésimo Cuarta Reunión Internacional de Rabia en las Américas (RITA). Este año, el tema de la conferencia es “Eliminación de la Rabia en un Mundo Cambiante: Los Retos Socio-Económicos y Ambientales para la Prevención y Control de la Rabia”. Esta Reunión ofrece a investigadores, profesionales de la salud, directores de programas de rabia internacionales, nacionales y locales, biólogos de vida silvestre, personal de laboratorio y otras personas interesadas en el conocimiento avanzado de la vigilancia, la prevención y control de la rabia, la oportunidad de reunirse con otros especialistas, de intercambiar sus logros pero también de conversar sobre los nuevos retos.

Como organizadores queremos agradecer a nuestros expositores invitados, así como a todas las personas y grupos que respondieron a nuestro llamado para presentar sus trabajos en la RITA 2013 ya sea como sesiones orales o en carteles. Adicionalmente, queremos también agradecer a todos nuestros patrocinadores por ayudarnos a hacer realidad este evento.

Por encima de todo, esperamos que esta reunión desafíe sus pensamientos, le provea de los más recientes beneficios y los avances más recientes para la eliminación de la rabia. Nuestra especial felicitación a todos aquellos que visitan Toronto por primera vez. Confío en que ustedes disfrutaran su estancia y espero que tengan oportunidad de recorrer la ciudad durante su estancia.

Mis mejores deseos para que disfruten una informativa reunión.



Jan M. Sargeant

Directora del Centre for Public Health and Zoonoses

y

Profesora del Department of Population Medicine
Ontario Veterinary College, University of Guelph

A nombre del Comité Directivo Internacional, les doy la bienvenida a la Vigésimo Cuarta Conferencia Anual Internacional de Rabia en las Américas (RITA).

La RITA es el mayor evento internacional, para compartir una infinidad de temas incluyendo vigilancia, diagnóstico, patología, prevención y control de esta zoonosis y enfocándose a aspectos en humanos, animales domésticos y silvestres desde la perspectiva de un renovado grupo mundial de expertos.

Agradecemos a los organizadores por todos sus decididos esfuerzos y esperamos una muy interesante agenda para compartir conocimientos, renovar contacto con viejos amigos, iniciar proyectos de colaboración y hacer nuevos valiosos contactos en una maravillosa sede.

Afectuosamente.

Charles E. Rupprecht

Charles E. Rupprecht, VMD, MS, PhD

Presidente

RITA, Inc.

y

Director de Investigación

Global Alliance For Rabies Control

charles.rupprecht@rabiesalliance.org

<http://rabiesalliance.org/>

BENVINDOS!

Em nome do Centro de Saúde Pública e Zoonoses (Centre for Public Health and Zoonoses (CPHAZ)), bem vindo ao 24th Rabies in the Americas International Meeting (RITA). Este ano o tema da conferência é “Rabies Elimination in a Changing World: The Environmental and Socio-Economic Challenges to Rabies Prevention and Control”. Este encontro fornece uma oportunidade para que pesquisadores, profissionais de saúde, gerentes de programas nacionais e internacionais de raiva, biólogos de animais silvestres, técnicos de laboratório e outras pessoas interessadas no monitoramento, prevenção e controle da raiva se conheçam, a fim de compartilhar seus sucessos e também para discutir os desafios que serão encontrados.

Os organizadores agradecem os palestrantes, bem como todas as pessoas e grupos que vão apresentar pôsteres e que farão apresentação oral no RITA 2013. Além disso, gostaríamos de agradecer todos os patrocinadores que estão ajudando a fazer este evento um sucesso.

No geral, eu espero que este encontro crie novos desafios, forneça benefícios duradouros e nos leve a eliminação da raiva. Saudações especiais a aqueles que estão visitando Toronto pela primeira vez. Acredito que vocês vão aproveitar sua estadia e espero que vocês tenham a oportunidade de conhecer a cidade enquanto estiverem aqui.

Os melhores votos para uma reunião agradável e informativa.



Jan M. Sargeant

Diretora, Centre for Public Health and Zoonoses,
e
Professor, Department of Population Medicine
Ontario Veterinary College, University of Guelph

Em nome do Comitê de Coordenação Internacional, bem vindo ao 24th Annual International Conference on Rabies in the Americas (RITA).

O RITA é um evento internacional que compartilha diversos tópicos, incluindo monitoramento, diagnóstico, patobiologia, prevenção e controle desta zoonose, com foco nos humanos, animais domésticos e silvestres, com o conhecimento de pessoas de todos o mundo.

Nós agradecemos os organizadores por todo o trabalho, e esperamos ter um programa prazeroso, onde possamos compartilhar conhecimentos, realizar novos contatos, iniciar projetos e fazer novas amizades , neste local maravilhoso.

Sinceramente,

Charles E. Rupprecht

Charles E. Rupprecht, VMD, MS, PhD
Presidente
RITA, Inc.
e
Diretor de Pesquisa
Global Alliance For Rabies Control
charles.rupprecht@rabiesalliance.org
<http://rabiesalliance.org/>

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ANFITRIÃO DA CONFERÊNCIA



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Matson's Laboratory
PO Box 308
Milltown, MT 59851
Est. 1969

Acknowledgements

The organizing committee would like to thank everyone who participated in the organization and the success of RITA XXIV.

In particular, we would like to express our sincere gratitude to the following people for their involvement:

- **Administration and organization:** Sam Deelen, Danielle Julien, Sally Maclachlan and Ashley Whiteman
- **Translation:** Andreia Arruda, Rose-Marie Bernardo, Michel Deilgat, Christine Fehlner-Gardiner, Juliana Ferreira, Juan Antonio Montaña Hirose, Eric Lavigne and Luis Lecuona

Remerciements

Le comité organisateur tient à remercier tous ceux et celles qui ont participé à l'organisation et la réussite de RITA XXIV.

Nous tenons à exprimer particulièrement notre sincère gratitude aux personnes suivantes pour leur participation:

- **Administration et organisation:** Sam Deelen, Danielle Julien, Sally Maclachlan et Ashley Whiteman
- **Traduction:** Andreia Arruda, Rose-Marie Bernardo, Michel Deilgat, Christine Fehlner-Gardiner, Juliana Ferreira, Juan Antonio Montaña Hirose, Eric Lavigne et Luis Lecuona

Agradecimientos

El Comité Organizador desea expresar su agradecimiento a todos aquellos que participaron en la organización y el éxito de la RITA XXIV.

En particular, nos gustaría expresar nuestro sincero agradecimiento a las siguientes personas por su participación:

- **Administración y organización:** Sam Deelen, Danielle Julien, Sally Maclachlan y Ashley Whiteman
 - **Traducción:** Andreia Arruda, Rose-Marie Bernardo, Michel Deilgat, Christine Fehlner-Gardiner, Juliana Ferreira, Juan Antonio Montaña Hirose, Eric Lavigne y Luis Lecuona
-

Agradecimentos

A comissão organizadora gostaria de agradecer a todos que participaram da organização e o sucesso de RITA XXIV.

Em particular, gostaríamos de expressar a nossa sincera gratidão às seguintes pessoas por seu envolvimento:

- **Administração e organização:** Sam Deelen, Danielle Julien, Sally Maclachlan e Ashley Whiteman
 - **Tradução:** Andreia Arruda, Rose-Marie Bernardo, Michel Deilgat, Christine Fehlner-Gardiner, Juliana Ferreira, Juan Antonio Montaña Hirose, Eric Lavigne e Luis Lecuona
-

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Michel Deilgat
Dennis Donovan
Christine Fehlner-Gardner
Catherine Filejski
Erin Leonard
Zvonimir Poljak
Catherine Rotor
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Fernando Vargas Pino
Subdirección de Zoonosis/CENAPRECE
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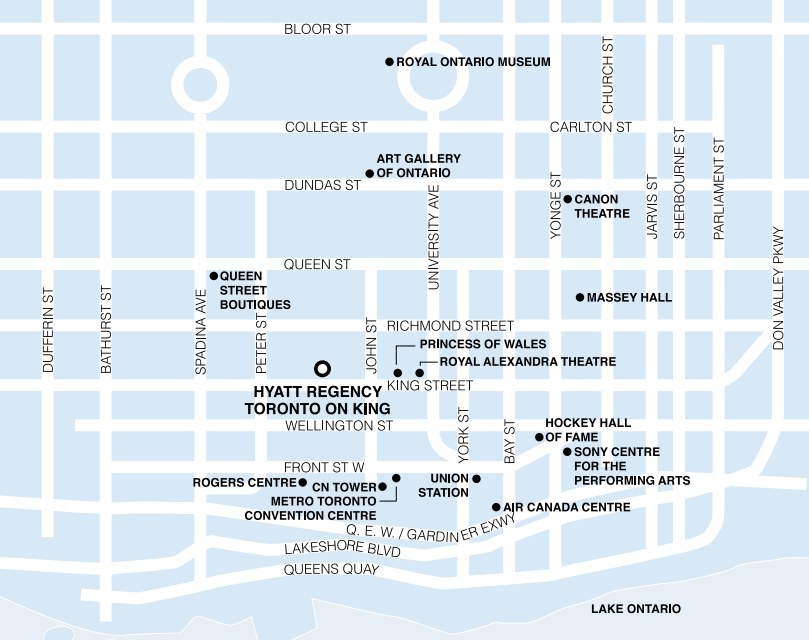
PROGRAMME AT A GLANCE

| TIME | SUNDAY, OCT. 27 | MONDAY, OCT. 28 | TUESDAY, OCT. 29 | WEDNESDAY, OCT. 30 | THURSDAY, OCT. 31 |
|---------------|---|--|---|--|--|
| 07:30 – 08:00 | | Registration (CL) | Registration (CL) | | |
| 08:00 – 08:30 | | | Hilary Koprowksi Tribute Chaired by Charles Rupprecht (KB) | Oral Session (Pathogenesis) (KB) | Registration (CL) |
| 08:30 – 09:00 | | Technological Keynote Address (KB) | | | Morning Break & Poster Session (RB) |
| 09:00 – 09:30 | | | Morning Break & Poster Session (RB) | Environmental Keynote Address (KB) | |
| 09:30 – 10:00 | | Morning Break & Poster Session (RB) | | | Environmental Keynote Address (KB) |
| 10:00 – 10:30 | | | Oral Session (Lyssavirus Diagnostics and Emerging Technologies) (KB) | Oral Session (Bats and Lyssaviruses: Host and Virus Diversity) (KB) | |
| 10:30 – 11:00 | | Lunch 12:00-13:15 (75 minutes) (OS) | | | Lunch (90 minutes) (OS) |
| 11:00 – 11:30 | | | Lunch 12:00-13:15 (75 minutes) (OS) | Lunch (90 minutes) (OS) | |
| 11:30 – 12:00 | | Lunch 12:00-13:15 (75 minutes) (OS) | | | Lunch (90 minutes) (OS) |
| 12:00 – 12:30 | | | Lunch 12:00-13:15 (75 minutes) (OS) | Lunch (90 minutes) (OS) | |
| 12:30 – 13:00 | | Lunch 12:00-13:15 (75 minutes) (OS) | | | Lunch (90 minutes) (OS) |
| 13:00 – 13:30 | | | Lunch 12:00-13:15 (75 minutes) (OS) | Lunch (90 minutes) (OS) | |
| 13:30 – 14:00 | | Lunch 12:00-13:15 (75 minutes) (OS) | | | Lunch (90 minutes) (OS) |
| 14:00 – 14:30 | Partners for Rabies Prevention Meeting Open to ALL | | Oral Session (13:15) (Human Rabies, Prophylaxis, and Treatment) (KB) | Oral Session (Wildlife and Domestic Animal Rabies) (KB) | |

| | | | | | |
|---------------|------------------------------------|---|--|----------------------------------|---|
| 14:30 – 15:00 | (SB) | | Afternoon Break & Poster Session (RB) | (KB) | (KB) |
| 15:00 – 15:30 | | Afternoon Break & Poster Session (RB) | Oral Session (Wildlife and Domestic Animal Rabies) (KB) | Social Activity and/or Free time | Organizing Committee 2014 RITA XXV – Mexican Delegates (KB) |
| 15:30 – 16:00 | | Oral Session (Immunology and Vaccines) (KB) | | | Round Table (Biomedical Conundrums) Chair: Richard Chipman (KB) |
| 16:00 – 16:30 | | | | | |
| 16:30 – 17:00 | | | | | |
| 17:00 – 17:30 | Conference Registration (KS Foyer) | | | | |
| 17:30 – 18:00 | | | | | |
| 18:00 – 18:30 | Welcome Reception (KS) | | | | Gala & Auction (Auctioneer: Rich Chipman) (KB) |
| 18:30 – 19:00 | | North American Rabies Management Meeting By Invitation Only (SB) | Ontario Rabies Advisory Committee Meeting By Invitation Only (SB) | | |
| 19:00 – 19:30 | | | | | |
| 19:30 – 20:00 | Opening Ceremony (KB) | | | | |
| 20:00 – 20:30 | | | | | |
| 20:30 – 21:00 | | | | | |
| 21:00 – 21:30 | | | | | |
| 21:30 – 22:00 | | | | | |
| 22:00 – 23:00 | | | | | |

| SESSION COLOUR KEY | |
|-------------------------|--|
| Oral Session | |
| Breaks & Poster Session | |
| Round-Table Discussion | |
| Lunch Break | |
| Key Note Address | |
| Social | |
| Additional Meetings | |
| Registration | |

| ROOM KEY |
|-------------------------|
| KB = King Ballroom |
| RB = Regency Ballroom |
| KS = King Street Social |
| CL = Colonnade |
| SB = Studio B |
| OS = Off-Site |



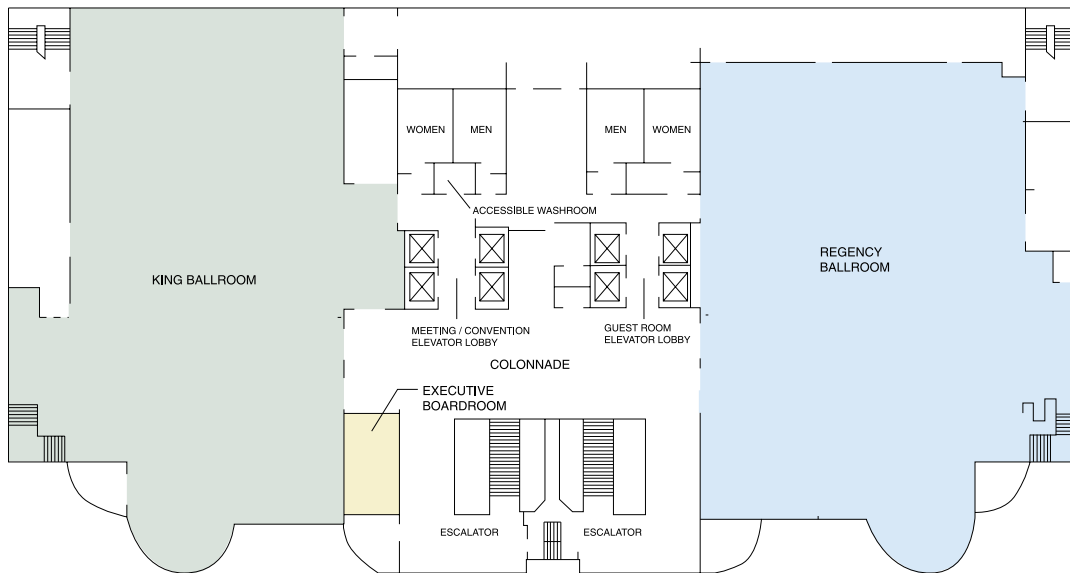
Hyatt Regency Toronto on King

DIRECTIONS

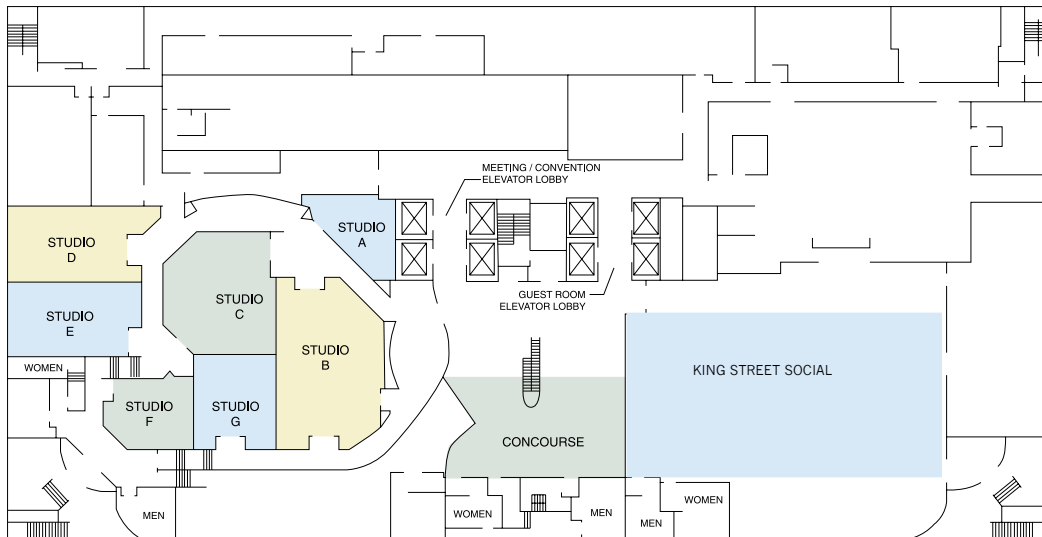
Travelling from the east on the Don Valley Parkway or from the west on the QEW (both turn into the Gardiner Expressway). From Gardiner Expressway (QEW), take downtown and exit on Spadina Avenue. Go north to Adelaide Street and turn right. Go three blocks to Widmer Street, turn right. Hotel is on the right.

CONVENTION LEVEL

**The Executive Boardroom will be the Speaker Ready Room



CONFERENCE LEVEL





R3



Diagram of the poster presentations

Diagramme des présentations des affiches

Distribución de carteles en el área de exhibición

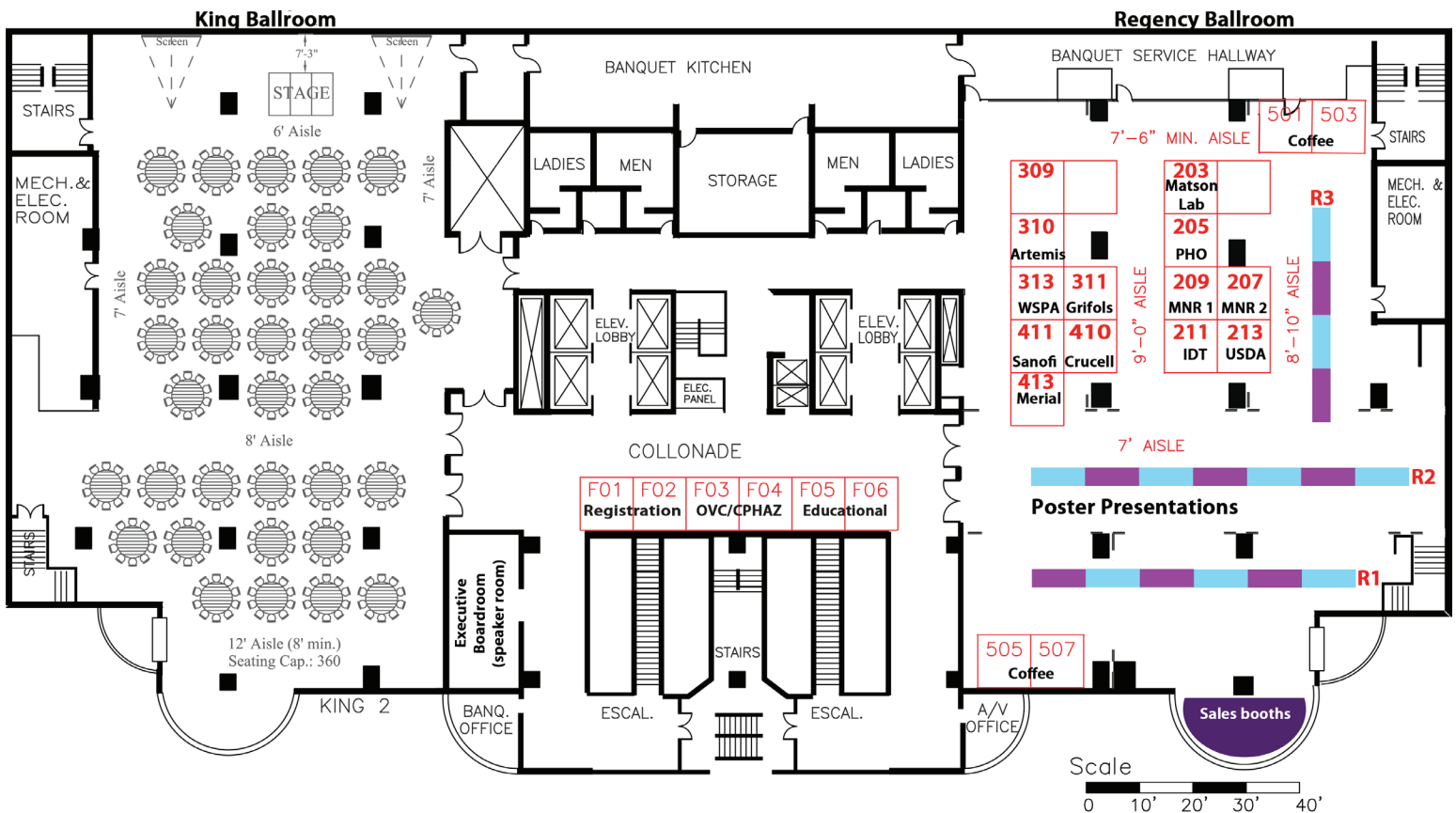
Diagrama das apresentações de pôsteres

| | | | | | | | | | | | | |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Reserved | PP005 | PP006 | PP009 | PP010 | PP011 | PP004 | PP002 | PP001 | PP003 | PP065 | PP066 | PP067 |
| PP013 | PP014 | PP016 | PP021 | PP015 | PP017 | PP018 | PP020 | PP019 | PP023 | PP022 | PP024 | PP025 |

R2

| | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| PP027 | PP028 | PP030 | PP031 | PP029 | PP035 | PP033 | PP034 | PP032 | PP040 | PP036 | PP037 |
| PP038 | PP047 | PP039 | PP041 | PP042 | PP043 | PP044 | PP046 | PP048 | PP049 | PP070 | |

R1



Hyatt Regency on King
370 KING STREET

RABIES IN THE AMERICAS CONFERENCE 2013
TORONTO, ONTARIO, CANADA

PROGRAMME/PROGRAMA

Sunday October 27th

14:00-15:00

PARTNERS FOR RABIES PREVENTION MEETING

Organized by the Global Alliance for Rabies Control
Room: Studio B - Open to ALL

17:00-18:00

REGISTRATION

Room: King Street Social Foyer

18:00-19:30

WELCOME RECEPTION

Room: King Street Social

19:30-21:00

OPENING CEREMONIES

Room: King Ballroom

Co-Chaired by: Jan Sargeant and Charles Rupprecht

Monday October 28th

07:30-08:30 REGISTRATION

08:30-09:30

HILARY KOPROWSKI TRIBUTE

Organized by Charles Rupprecht

09:30-10:00

TECHNOLOGICAL KEYNOTE ADDRESS

Zhen F. Fu
University of Georgia, College of Veterinary Medicine

10:00-10:30 MORNING BREAK & POSTER SESSION
Regency Ballroom

10:30-12:00

LYSSAVIRUS DIAGNOSTICS AND EMERGING TECHNOLOGIES

Chairs: Christine Fehlner-Gardiner and Andres Velasco-Villa

OP001

MAPPING ANIMAL RABIES DIAGNOSTIC CAPABILITIES WITHIN THE WEST AND THE CENTRAL AFRICA VETERINARY LABORATORY NETWORKS: CONSTRAINTS AND THE WAY FORWARD

Angélique Angot

Istituto Zooprofilattico sperimentale delle Venezie

OP002

DEVELOPMENT OF AN ELISA ASSAY FOR THE DIAGNOSIS OF RABIES IN ANIMALS

Elena Rota Nodari

Istituto Zooprofilattico Sperimentale delle Venezie

OP003

EUROPEAN COMPARATIVE ASSAY OF FLUORESCENT ANTIBODY TEST RESULTS USING VARIOUS ANTI-RABIES CONJUGATES

Emmanuelle Robardet

French Agency for Food, Environmental and Occupational Health & Safety (ANSES)

OP004

COMPARISON OF MICRONEUTRALIZATION AND HIGH-THROUGHPUT MICRONEUTRALIZATION TESTS WITH THE RAPID FLUORESCENT FOCUS INHIBITION TEST FOR MEASURING RABIES VIRUS NEUTRALIZING ANTIBODIES

Todd Smith

Centers for Disease Control and Prevention

OP005

COMPARISON OF THE STANDARD BRAIN TISSUE SAMPLING METHOD FOR RABIES DIAGNOSTICS WITH MULTIPLE ALTERNATE METHODS USING REAL TIME RT-PCR FOR RABIES VIRAL RNA DETECTION.

Michelle Dupuis

NYSDOH/Wadsworth Center/Griffin Laboratory

OP006

INTER-LABORATORY COMPARISON AMONG THE OIE NETWORK OF RABIES REFERENCE LABORATORIES OF THE DIRECT RAPID IMMUNOHISTOCHEMICAL TEST (DRIT) FOR THE DIAGNOSIS OF RABIES

Charles Rupprecht

Global Alliance for Rabies Control

13:15-15:00

HUMAN RABIES, PROPHYLAXIS, AND TREATMENT

Chairs: Alan Jackson and Rosely Oliveira

OP007

RACCOON RABIES VIRUS VARIANT TRANSMISSION THROUGH SOLID ORGAN TRANSPLANTATION WITH A LONG INCUBATION PERIOD

Neil Vora

Centers for Disease Control and Prevention

OP008

SPECIAL REPORT

Alan Jackson

University of Manitoba Health Sciences Centre

OP009

POTENT IMMUNOTHERAPEUTIC AGENTS FOR VERSATILE RABIES INTERVENTIONS

Charles Rupprecht

Global Alliance For Rabies Control

OP010

SINGLE-VISIT BOOSTER REGIMENS FOR RABIES POST-EXPOSURE TREATMENT IN PREVIOUSLY VACCINATED INDIVIDUALS

Terapong Tantawichien

Chulalongkorn University

OP011

COMPARISON OF IN VIVO AND IN VITRO TRANSFECTION OF ANTIBODIES AGAINST RABIES

Keila Yamamoto

Pasteur Institute, São Paulo

12:00-13:15 LUNCH BREAK

OP012

CLINICAL AND IMMUNE EVALUATION OF MICE EXPERIMENTALLY INFECTED WITH RABIES VIRUS VARIANTS 2 AND 3 AND TREATED WITH SHORT-INTERFERING RNAS

*Camila Michele Appolinario Harary
UNESP- São Paulo State University*

OP065

SURVIVOR OF RABIES ENCEPHALITIS IN CHILE

Sergio Galvez

Hospital Gustavo Fricke, Viña del Mar

**15:00-15:30 AFTERNOON BREAK &
POSTER SESSION**
Regency Ballroom

15:30-17:30

IMMUNOLOGY AND VACCINES

Chairs: Monique Lafon and Jane Megid

OP013

INVESTIGATING THE ANTIGENIC DIVERSITY OF THE LYSSAVIRUSES

Jennifer Evans

*Animal Health and Veterinary Laboratories
Agency/University of Warwick*

OP014

T CELL-INDEPENDENT ANTIBODY RESPONSES INDUCED BY AN EXPERIMENTAL RABIES VIRUS-BASED VACCINE

James McGettigan

Thomas Jefferson University

OP015

WHY LATE-STAGE POST-EXPOSURE PROPHYLAXIS FAILS: LIVE-ATTENUATED BUT NOT KILLED RABIES VIRUS VACCINES INDUCE THE TYPE OF IMMUNE RESPONSE REQUIRED FOR RABIES VIRUS CLEARANCE FROM NEURAL TISSUES

D. Craig Hooper

Thomas Jefferson University

OP016

ANTIBODY QUALITY AND PROTECTION FROM LETHAL EBOLA VIRUS CHALLENGE IN NHP IMMUNIZED WITH RABIES VIRUS BASED BIVALENT VACCINE

Matthias Schnell

Thomas Jefferson University

OP018

A ROLE FOR RECOMBINANT ADENOVIRUS VACCINES IN RABIES PROPHYLAXIS?

Charles Rupprecht

Global Alliance For Rabies Control

OP019

TOWARD A SINGLE SHOT CONTRACEPTIVE RABIES VACCINE

Bernhard Dietzschold

Thomas Jefferson University

OP020

VALIDATION AND ADOPTION OF THE FAVN TEST AS A SEROLOGICAL POTENCY ASSAY TO REPLACE THE IN-VIVO POTENCY TESTS OF INACTIVATED RABIES VACCINE FOR VETERINARY USE

Alexandre Servat

French Agency for Food, Environmental and Occupational Health & Safety (ANSES) Nancy

OP017

FIELD EVALUATION OF ORAL VACCINATION
WITH SAG2 DOG BAIT IN MOROCCO

*Philippe Mahl
Virbac*

18:30-20:00

**NORTH AMERICAN RABIES MANAGEMENT
MEETING**

Room: Studio B - By Invitation Only

POSTERS

PP001

SOLUBILIZATION OF THE RABIES VIRUS
GLYCOPROTEIN USING DIFFERENT
DETERGENTS

*Iana Suly Katz
Instituto Pasteur, São Paulo*

PP002

EASTERN EQUINE ENCEPHALITIS VIRUS
ISOLATION IN VERO, BHK-21 AND N2A CELL
CULTURES

*Keila Iamamoto
Instituto Pasteur, São Paulo*

PP003

ASSESSING AUTOMATION IN MOLECULAR
RABIES DIAGNOSTICS USING THE QIAGEN
QIASYMPHONY® SP/AS SYSTEM

*Michelle Dupuis
NYSDOH/Wadsworth Center/Griffin Laboratory*

PP004

IS THE "IN VIVO" TRANSFECTION OF
ANTIBODIES AGAINST RABIES VIRUS A
POTENTIAL MECHANISM FOR RABIES
TREATMENT?

*Keila Iamamoto
Pasteur Institute, São Paulo*

PP005

NEUTRALIZING ANTIBODIES IN SERUM AND
CSF IN ANTEMORTEM DIAGNOSIS OF
SUSPECTED CASES OF RABIES RECEIVED IN
THE LABORATORY DIAGNOSIS OF RABIES AT
THE PASTEUR INSTITUTE FROM JANUARY 2011
TO APRIL 2013.

*Luciana Botelho Chaves
Instituto Pasteur, São Paulo*

PP006

DETERMINANTS OF DELAY IN INITIATING
POST-EXPOSURE PROPHYLAXIS FOR RABIES
PREVENTION AMONG ANIMAL BITE CASES

*Jessy Joseph
University College of Medical Sciences and Guru
Teg Bahadur Hospital*

PP009

TEN YEARS RETROSPECTIVE STUDY OF DOG
BITE CASES REPORTED TO ZONAL VETERINARY
CLINIC, UMUAHIA, ABIA STATE, NIGERIA

*A.B. Ogunkoya
Ahmadu Bello University Clinic*

PP010

CURRENT PRACTICES AND REMAINING
PROBLEMS OF RABIES POST-EXPOSURE
MANAGEMENT OF 644 GOVERNMENT
HOSPITALS IN THAILAND

*Suda Sibunruang
Queen Saovabha Memorial Institute*

PP011

AMÉLIORATION DE L'ACCESSIBILITÉ À LA
PROPHYLAXIE POST EXPOSITION EN AFRIQUE
FRANCOPHONE : EXPÉRIENCE DE 3 PAYS
MEMBRES D'AFROREB

Issaka Tiembre

Institut National d'Hygiène Publique/AfroREB

PP013

ORAL VACCINATION AND PROTECTION OF
STRIPED SKUNKS (MEPHITIS MEPHITIS)
AGAINST RABIES USING ONRAB®

Lucy Brown

Ontario Ministry of Natural Resources (MNR)

PP014

HEMOLYSIS IN SERUM SAMPLES AS A FACTOR
OF PRE ANALYTICAL VARIABILITY IN THE
EVALUATION OF RABIES VIRUS NEUTRALIZING
ANTIBODIES BY THE RAPID FLUORESCENT
FOCUS INHIBITION TEST (RFFIT)

Karin Corrêa Scheffer

Instituto Pasteur, São Paulo

PP015

CUT-OFF VALUES FOR RABIES SEROLOGY
METHODS—ARE THEY INTERCHANGEABLE?

Susan Moore

Kansas State University/KSVDL Rabies Laboratory

PP016

EVALUATION OF NEUTRALIZING ANTIBODIES
IN CATS PRIME VACCINATED FOR RABIES

Karin Corrêa Scheffer

Instituto Pasteur, São Paulo

PP017

RABIES VIRUS NEUTRALIZATION ASSAYS:
COMPARISON OF THREE FLUORESCENT
INHIBITION TESTS IN CELL CULTURES.

Juliana da Silva Ferreira

Instituto Pasteur- São Paulo

PP018

FIRST DEVELOPMENT OF ANTIRABIES
VACCINE USING THE CANARYPOX VECTOR
PLATFORM IN LATIN AMERICAN

Matías Ariel Micucci

*Administración Nacional de Laboratorios e
Institutos De Salud (ANLIS)*

PP019

PROBIOTIC INCREASE THE ANTIRABIES
IMMUNE RESPONSE IN CATTLE AFTER
VACCINATION

Neuza Maria Frazatti-Gallina

Instituto Butantan

PP020

INDUCTION OF NEUTRALIZING ANTIBODIES IN
BALB/C MICE USING VACCINE STRAIN
BRUCELLA ABORTUS S19 TO DELIVER A
EUKARYOTIC EXPRESSION PLASMID FOR THE
RABIES VIRUS G GLYCOPROTEIN.

Nidia Gary Pazos Salazar

*Facultad de Ciencias Químicas, Benemérita
Universidad Autónoma de Puebla*

PP021

DEFICIENCY IN THE HUMORAL IMMUNE
RESPONSE TO VACCINE RABIES VIRUS IN
DOMESTIC DOGS PRIME VACCINATED.

Karin Corrêa Scheffer

Instituto Pasteur, São Paulo

PP022

RABIES VIRUS REPLICATION IN DIFFERENT
BIOREACTORS

Vivien Lantieri

Instituto Butantan

PP023

COMPARATIVE STUDY BETWEEN TWO IMMUNIZATION SCHEMES USING RABIES VACCINE ASSOCIATED WITH BPMP-SE ADJUVANT

*Neuza Maria Frazatti-Gallina
Instituto Butantan*

PP024

PERSISTENCE AND SHEDDING OF ONRAB® RABIES VACCINE IN CAPTIVE AND FREE-RANGING MAMMALS IN ONTARIO, CANADA

*Aaron Walpole
Ontario Ministry of Natural Resources*

PP025

PRELIMINARY RESULTS OF A RETROSPECTIVE ANALYSIS ON FACTORS AFFECTING SEROLOGICAL RESPONSE OF DOGS TO RABIES VACCINATION IN ITALY

*Elena Rota Nodari
Istituto Zooprofilattico Sperimentale delle Venezie*

PP065

IDENTIFICATION OF RACCOON IMMUNOGLOBULINS AND IMMUNOREGULATORY MOLECULES TO INVESTIGATE IMMUNE MECHANISMS INVOLVED IN RESISTANCE AND IMMUNITY AGAINST RABV

*Bernd Köllner
Institute of Immunology, Friedrich-Loeffler-Institute*

PP066

IDENTIFICATION OF IMMUNOGLOBULINS AND IMMUNOREGULATORY MOLECULES OF THREE EUROPEAN BAT (EPTESICUS, MYOTIS AND NYCTALUS) TO INVESTIGATE IMMUNE MECHANISMS INVOLVED IN RESISTANCE AND IMMUNITY AGAINST LYSSAVIRUSES

*Bernd Köllner
Institute of Immunology, Friedrich-Loeffler-Institute*

PP067

CLONING OF IFN-KAPPA AND OMEGA FROM EUROPEAN BAT, EPTESICUS SEROTINUS AND FUNCTIONAL CHARACTERIZATION OF ANTI-VIRAL RESISTANCE MECHANISMS IN BATS INVESTIGATED IN VITRO

*Bernd Köllner
Institute of Immunology, Friedrich-Loeffler-Institute*

Tuesday October 29th

07:30-08:00 REGISTRATION

08:00-09:30

PATHOGENESIS

Chairs: Zhen Fu and Noel Tordo

OP021

RABIES VIRUS PHOSPHOPROTEIN TRIGGERS MITOCHONDRIAL DYSFUNCTION IN CVS INFECTED MOUSE NEUROBLASTOMA CELLS

*Wafa Kammouni
University of Manitoba*

OP022

CHARACTERISATION OF IKOMA LYSSAVIRUS: VACCINE CONFERRED PROTECTION AND RESERVOIR HOSTS

*Ashley Banyard
Animal Health and Veterinary Laboratories Agency (AHVLA), Department for the Environment, Food & Rural Affairs (Defra)*

OP023

PRESENCE OF VIRUS NEUTRALIZING ANTIBODIES IN CEREBRAL SPINAL FLUID CORRELATES WITH NON-LETHAL RABIES IN DOGS

*Zhen F. Fu
University of Georgia, College of Veterinary Medicine*

OP024

RABIES DERIVED PEPTIDES INTERACT WITH NEURONAL NICOTINIC RECEPTORS AND ALTER BEHAVIOR IN MICE

*Karsten Hueffer
University of Alaska Fairbanks*

OP025

COMPARISON OF GLYCOPROTEIN-RELATED PATHOGENICITY FUNCTIONS OF LYSSAVIRUSES

*Tobias Nolden
Friedrich-Loeffler-Institute*

OP026

PATHOLOGICAL STUDY ON THE CENTRAL NERVE SYSTEM OF DDY MICE INTRAMUSCULARLY INFECTED WITH STREET RABIES VIRUS (1088 STRAIN)

*Park Chunho
KITASATO University*

09:30-10:00 MORNING BREAK & POSTER SESSION

Regency Ballroom

10:00-10:30

ENVIRONMENTAL KEY ADDRESS

Brock Fenton
Professor Emeritus, University of Western Ontario

10:30-12:00

BATS AND LYSSAVIRUSES: HOST AND VIRUS DIVERSITY

Chairs: Susan Nadin-Davis and Maria Luiza Carrieri

OP027

TRACING THE ORIGINS AND DISSEMINATION HISTORY OF VAMPIRE BAT-ASSOCIATED RABIES IN THE AMERICAS

*Andres Velasco-Villa
Centers for Disease Control and Prevention/NCEZID*

OP028

HOST SHIFTS OF BAT RABIES VIRUSES TO CARNIVORES IN NORTH AMERICA, AND AN ABILITY OF THE EXISTING SURVEILLANCE SYSTEM TO DETECT SUCH EVENTS

Ivan Kuzmin

Global Alliance for Rabies Control

OP029

A PHYLOGEOGRAPHIC ANALYSIS OF THE RABIES VIRUS VARIANTS HARBOURED BY MYOTIS BATS IN CANADA

Susan Nadin-Davis

Canadian Food Inspection Agency

OP030

MOLECULAR DIAGNOSTICS FOR THE DETECTION OF BOKELOH BAT LYSSAVIRUS IN A BAT FROM BAVARIA, GERMANY

Thomas Mueller

Friedrich-Loeffler-Institut

OP031

MOLECULAR DETECTION OF RABIES VIRUS IN LASIURUS EGA AND LASIURUS CINEREUS FROM MONTERREY, NUEVO LEÓN, MÉXICO

Efren Jaramillo

Laboratorio Estatal de Salud Pública - Secretaría de Salud del Estado de Nuevo León

OP032

EGYPTIAN FRUIT BAT (ROUSETTUS AEGYPTIACUS) AS THE HOST OF A SPECIFIC LINEAGE OF LAGOS BAT VIRUS IN KENYA.

Ivan Kuzmin

Global Alliance for Rabies Control

12:00-13:30 LUNCH BREAK

13:30-14:30

WILDLIFE AND DOMESTIC ANIMAL RABIES

Chairs: Dennis Donovan and Juan Montano Hirose

OP033

POTENTIAL ECONOMIC BENEFITS OF ELIMINATING CANINE RABIES

Stephanie Shwiff

USDA/WS/National Wildlife Research Center

OP034

INSIGHT INTO A RABID BRAIN

Vythegi Srithayakumar

Trent University

OP035

DETECTION OF RABIES VIRUS ANTIBODIES IN FREE-LIVING JAGUARS (PANTHERA ONCA) IN THE PANTANAL OF MATO GROSSO, BRAZIL

Luciana Botelho Chaves

Instituto Pasteur, São Paulo

OP036

POSITIVITY AND CLASSIFICATION OF BATS SUBMITTED FOR RABIES DIAGNOSIS AT PASTEUR INSTITUTE OVER THE PERIOD FROM 2007 TO 2012

Karin Corrêa Scheffer

Instituto Pasteur, São Paulo

14:30-15:00 AFTERNOON BREAK & POSTER SESSION
Regency Ballroom

15:00-16:00

WILDLIFE AND DOMESTIC ANIMAL RABIES
CONTINUED

OP037

A HISTORICAL PERSPECTIVE OF RACCOON
RABIES CONTROL IN THE UNITED STATES
(1992-2012)

Joanne Maki
Merial

OP038

IMMUNOGENETIC COMPARISONS OF ARCTIC
FOX ACROSS MULTIPLE RABIES ZONES IN
ALASKA

Caroline Drago
Trent University

OP039

THE NORTH AMERICAN RABIES MANAGEMENT
PLAN—THE FIRST FIVE YEARS AND A LOOK
TOWARD THE FUTURE

Dennis Slate
USDA/WS/APHIS

OP062 (formerly PP045)

THE EVOLVING HISTORY OF TEXAS GRAY FOX
RABIES CONTINGENCY ACTIONS: TEXAS
WILDLIFE SERVICES RABIES RESPONSES

Michael Bodenchuk
USDA-APHIS-Wildlife Services

16:00-17:00

ROUND TABLE
BIOMEDICAL CONUNDRUMS

Moderator:

Richard Chipman
USDA-APHIS Wildlife Services

Participants:

Dieter Gniel
Rosely Cerqueira de Oliveira
Catherine Filejski
Charles Rupprecht

On a daily basis, a variety of professionals perform complicated risk assessments related to rabies management in scenarios fraught by a curiosity of incongruous epidemiological, pathobiological, and biomedical circumstances. This Roundtable on Rabies Conundrums provides an enlightened discussion with a diversity of global opinion leaders reflective of different perspectives hailing from academia, government, and industry, with active audience participation.

18:30-21:00

ONTARIO RABIES ADVISORY COMMITTEE
MEETING

Room: Studio B - By Invitation Only

POSTERS

PP027

ENHANCEMENT OF BBB PERMEABILITY AND REDUCTION IN THE EXPRESSION OF TIGHT JUNCTION PROTEINS ARE NOT DUE TO RABIES VIRUS INFECTION PER SE BUT VIRUS-INDUCED CYTOKINES/CHEMOKINES

Qingqing Chai

University of Georgia

PP028

INDISSOCIABILIDADE DA PRESENÇA DE CORPÚSCULOS DE NEGRI E DA INFLAMAÇÃO PARENQUIMATOSA EM AMOSTRAS DE SISTEMA NERVOSO CENTRAL DE HERBÍVOROS ACOMETIDOS PELA RAIVA

Samira Achkar

Instituto Pasteur de São Paulo

PP029

CORRELATION BETWEEN RABIES VIRUS NUCLEOPROTEIN GENE QUANTIFICATION AND LETHALITY RATE OF DIFFERENT VIRAL VARIANTS

Camila Michele Appolinario Harary

UNESP- São Paulo State University

PP030

HEMATOLOGY OF RABIES INFECTION IN MICE

Balarabe Magaji Jahun

Ahmadu Bello University Zaria

PP031

CONSTRUCTION OF FULL-LENGTH GENOME PLASMIDS FOR THE CHIMERIC KGH STRAIN: FOR IDENTIFICATION OF THE HOST IMMUNE RESPONSE AND PATHOGENICITY

Jun-Sun Park

National Institute of Health, Korea Centers for Disease Control & Prevention

PP032

MOLECULAR TECHNIQUES FOR RABIES VIRUS DETECTION IN ORGANS OF FRUGIVOROUS BATS

Karin Corrêa Scheffer

Instituto Pasteur, São Paulo

PP033

CAPTURE AND TREATMENT OF COLONY DESMODUS ROTUNDUS STRATEGIES AND ACTION OF DEFENSE SERVICE

Hellen Nubia C. Miranda Maciel

Ministério da agricultura, pecuária e abastecimento

PP034

UPDATE OF TECHNIQUES FOR PATHOGEN INACTIVATION AND CONSEQUENT LONG TERM PRESERVATION OF BAT SPECIMENS

Douglas Green

Centers for Disease Control and Prevention

PP035

CLINICAL DISEASE AND IMMUNE RESPONSE IN THE CENTRAL NERVOUS SYSTEM OF MICE INFECTED WITH RABV VARIANTS ISOLATED FROM DIFFERENT ANIMAL SPECIES

Camila Michele Appolinario Harary

UNESP- São Paulo State University

PP036

MONITORAMENTO DE MORCEGO NÃO HEMATÓFAGO E A RAIVA NO ESPAÇO URBANO - PERNAMBUCO - BRASIL

Ana Cláudia Ramos de Araújo

Laboratório Central de Pernambuco – LACEN/PE

/ Laboratório Nacional Agropecuário em Pernambuco (LANAGRO/PE)

PP037

DIFFERENT CLINICAL MANIFESTATIONS OBSERVED IN MICE INOCULATED WITH SEVERAL RABIES VIRUS VARIANTS IN SOUTHEAST BRAZIL

Avelino Albas

Sao Paulo Agency of Agrobusiness Technology (APTA)

PP038

PHYLOGEOGRAPHY OF THE RABIES VIRUSES CIRCULATING IN THE RECENT ITALIAN EPIDEMIC AND EVALUATION OF THE AFFECTED FOX POPULATION DYNAMICS THROUGH MICROSATELLITE ANALYSIS

Angélique Angot

Istituto Zooprofilattico sperimentale delle Venezie

PP039

CANINE AND WILDLIFE ENHANCED RABIES PREVENTION IN ISRAEL (2009-2013)

Boris Yakobson

Kimron Veterinary Institute

PP040

DIVERSITY OF BATS SPECIES SENT FOR RABIES DIAGNOSIS TO PASTEUR INSTITUTE OVER THE PERIOD FROM 2009 TO 2012

Karin Corrêa Scheffer

Instituto Pasteur, São Paulo

PP041

RECOMBINANT ERAG3G STRAIN CONSTRUCTED BY REVERSE GENETIC SYSTEM INDUCES PROTECTIVE IMMUNITY IN RACCOON DOGS

Jin-Ju Nah

Animal and Plant Quarantine Agency

PP042

PRIMER AISLAMIENTO DE VIRUS RABICO VARIANTE ANTIGENICA 3 EN UN PERRO DE LA ZONA URBANA DE GUAYAQUIL, ECUADOR EN 2012

Hugo Diaz

Instituto nacional de investigacion en salud publica

PP043

A RAIVA EM MORCEGOS NO AMBIENTE URBANO DE PERNAMBUCO, NORDESTE DO BRASIL

José Lindemberg Martins Machado

Laboratório Central de Pernambuco (LACEN/PE)

Laboratório Nacional Agropecuário em Pernambuco (LANAGRO/PE)

PP044

PARADIGM SHIFT IN WILDLIFE RABIES SURVEILLANCE TO SUPPORT ORAL RABIES VACCINATION

Kathy Nelson

USDA/APHIS/Wildlife Services

PP046

RABIES IN NEW MEXICO: RECENT EPIZOOTICS AND HISTORICAL PERSPECTIVES.

Rolan Davis

Kansas State University

PP047

PHYLOGEOGRAPHIC ANALYSIS OF RABIES VIRUS CIRCULATING IN BOVINES IN THE STATE OF MATO GROSSO, BRAZIL

Angélique Angot

Istituto Zooprofilattico sperimentale delle Venezie

PP048

CURRENT RESEARCH ON RABIES AT THE NATIONAL WILDLIFE RESEARCH CENTER OF USDA/APHIS/WILDLIFE SERVICES

Kurt VerCauteren

USDA/APHIS/WS/National Wildlife Research Center

PP049

NOVEL INSIGHTS INTO THE GENETIC
COMPOSITION OF ATTENUATED ORAL RABIES
VACCINES

*Conrad Freuling
Friedrich-Loeffler-Institut*

PP070

EXPERIMENTAL INFECTION OF ARTIBEUS SPP
WITH RABIES VIRUS

*Cirani Obregón
Instituto Mexicano del Seguro Social CMN Siglo
XXI UIMI*

Wednesday October 30th

08:00 – 08:30 REGISTRATION

08:30–10:00

EPIDEMIOLOGY AND MODELLING

Chairs: Denise Belanger and Sergio Recuenco

OP042

RIGHT PLACE, WRONG SPECIES: CROSS-SPECIES
TRANSMISSION OF RABIES VIRUS VARIANTS
ASSOCIATED WITH TERRESTRIAL MAMMALS IN
THE UNITED STATES

*Ryan Wallace
Centers for Disease Control and Prevention*

OP043

SITUATION OF RABIES IN HERBIVORES –
BRAZIL- 2012

*Ellen Laurindo
Federal University of Paraná, Ministry of
Agriculture. Livestock and Food Supply - Brazil*

OP063 (formerly PP052)

SURVEILLANCE FOR RABIES IN BATS BY THE
ANIMAL HEALTH SERVICE OF THE PARANA
STATE GOVERNMENT – BRAZIL (2011-2012)

*Ellen Laurindo
Ministry of Agriculture. Livestock and Food Supply
- Brazil*

OP044

RABIES IN NIGERIA: A NEW PARADIGM SHIFT?

*Balarabe Jahun
Ahmadu Bello University Zaria Nigeria*

OP045

AN EVALUATION OF RABIES VACCINATION RATES AMONG ANIMALS INVOLVED IN BITING INCIDENTS IN THE WELLINGTON-DUFFERIN-GUELPH PUBLIC HEALTH UNIT

*Zvonimir Poljak
University of Guelph*

OP046

ANALYSIS OF CL184 NEUTRALIZING CAPACITY AGAINST INDIAN RABIES VIRUS ISOLATES AS PART OF EPIDEMIOLOGICAL SURVEILLANCE

*Wilfred Marissen
Crucell Holland BV*

10:00 – 10:30 MORNING BREAK & POSTER SESSION
Regency Ballroom

10:30 – 11:00

GEORGE M. BAER LATIN AMERICAN INVESTIGATOR AWARD

Presented by Charles Rupprecht

OP061

ECOLOGY AND GEOGRAPHY OF TRANSMISSION OF TWO BAT-BORNE RABIES LINEAGES IN CHILE

*Luis E. Escobar
Universidad Andres Bello*

11:00 – 11:30

ECONOMIC AND POLITICAL KEYNOTE ADDRESS

Dennis Slate
Science Advisor to the USDA Wildlife Services Rabies Management Program

11:30 – 12:30 POSTER SESSION
Regency Ballroom

12:30 – 14:00 LUNCH BREAK

14:00 – 15:00

REGIONAL AND TRANS-BOUNDARY UPDATES

Chairs: Rich Chipman and Laura Robinson

OP047

RABIES IN CANADA - 2012

*Christine Fehlner-Gardiner
Rabies Center of Expertise, Canadian Food Inspection Agency*

OP048

TOWARDS THE ELIMINATION OF HUMAN RABIES TRANSMITTED BY DOGS IN LATIN AMERICA AND THE CARIBBEAN: SUMMARY OF THE XIV MEETING OF DIRECTORS OF NATIONAL PROGRAMS FOR RABIES CONTROL IN LATIN AMERICA (REDIPRA).

*Alfonso Clavijo
Pan American Health Organization, Veterinary Public Health Unit, Health Surveillance and Disease Prevention and Control*

OP049

EPIDEMIOLOGY OF RABIES IN AZERBAIJAN: A CROSS DISCIPLINARY INTERNATIONAL COLLABORATION.

*Daniel Horton
Animal Health and Veterinary Laboratories Agency*

OP064 (formerly PP056)

PUBLIC HEALTH AND VETERINARY
IMPLICATIONS OF RABIES IN ETHIOPIA

Asefa Deressa Hundera
Addis Ababa University

18:00 – 23:00

GALA & AUCTION

King Ballroom

18:00 Silent Auction & Cocktails

18:30 Entertainment

19:45 Dinner

21:30 Live Auction

Auctioneer: Richard Chipman

POSTERS

PP051

SPATIO-TEMPORAL DISTRIBUTION OF RABIES
CASES IN WILD AND DOMESTIC ANIMALS IN
THE CANADIAN ARCTIC: 1985-2012

Audrey Simon
University of Montreal

PP054

MONITOREO EPIZOOTIOLOGICO: UNA
SOLUCIÓN

Eduardo Carlos Bautista
Secretaria de Salud del Estado de Puebla

PP055

RABIES IN THE AMERICAS: A REGIONAL
SURVEY TO NATIONAL PROGRAMME
DIRECTORS

Victor Javier Del Rio Vilas
*Pan American Health Organization, Veterinary
Public Health Unit, Health Surveillance and
Disease Prevention and Control*

PP069

MODELING RABIES TRANSMISSION IN THE
ARCTIC FOX: TOWARD A COMPREHENSIVE
PICTURE OF RISK EXPOSURE FOR DOGS AND
PEOPLE IN THE CANADIAN ARCTIC.

Audrey Simon
University of Montreal

Thursday October 31st

08:30 – 09:00 REGISTRATION

09:00 – 10:00

**APPROACHES TO RABIES CONTROL AND
OUTBREAK RESPONSE**

Chair: Hugh Whitney and Fernando Pino

OP057

A COMPREHENSIVE STEPWISE ONE HEALTH
APPROACH TOWARDS RABIES CONTROL AND
PREVENTION IN HAITI

Richard Franka

Centers for Disease Control and Prevention

OP051

POBLACIÓN EN RIESGO DE SER AGREDIDA POR
QUIRÓPTERO HEMATÓFAGO AL HABITAR EN
LOCALIDADES DENTRO DEL ÁREA DE VUELO DE
ÉSTOS EN EL NORTE DE JALISCO.

Angélica de la Asunción González López

Secretaría de Salud Jalisco

OP053

NEW APPROACHES TO VAMPIRE BAT RABIES
PREVENTION AND CONTROL

Sergio Recuenco

Centers for Disease Control and Prevention

OP066 (formerly PP059)

SEROLOGIC SURVEY OF CATTLE AND ANTIBODY
RESPONSE TO TWO COMMERCIAL RABIES
VACCINES IN GUATEMALA

Amy Gilbert

NWRC/APHIS/USDA

**10:00 – 10:30 MORNING BREAK &
POSTER SESSION**

Regency Ballroom

10:30 – 11:30

**APPROACHES TO RABIES CONTROL AND
OUTBREAK RESPONSE**

CONTINUED

OP054

THE EVOLUTION OF WILDLIFE RABIES
CONTROL TACTICS

Rick Rosatte

Ontario Ministry of Natural Resources

OP055

RACCOON RABIES & CHAINS OF INFECTION
GIVEN HABITAT AND DISEASE CONTROL

Bruce Pond

Ontario Ministry of Natural Resources

OP056

POTENTIAL INCREASED ROLE AND BENEFITS
OF HEALTH IMPACT ASSESSMENT IN WILDLIFE
RABIES AND DISEASE MANAGEMENT

Timothy Algeo

USDA, APHIS, Wildlife Services

OP058

SURVEILLANCE OF HUMAN RABIES BY
NATIONAL AUTHORITIES - A GLOBAL SURVEY

Louise Taylor

Global Alliance for Rabies Control

11:30 – 12:00

SOCIAL AND CULTURAL KEYNOTE

Deborah Briggs
Global Alliance for Rabies Control

12:00 – 12:30

CULTURAL ASPECTS OF RABIES (PAST AND PRESENT): CHALLENGES TO COMMUNICATION AND OUTREACH

Chairs: Louise Taylor and Marco Vigilato

OP059

5 CLAVES PARA PREVENIR MORDEDURAS DE PERROS, PAQUETE DE MATERIALES PARA PROFESORES DE ESCUELA

Melania Gamboa
World Society for the Protection of Animals (WSPA)

OP060

A CROSS-SECTIONAL SURVEY TO EVALUATE KNOWLEDGE, ATTITUDES AND PRACTICES (KAP) REGARDING ZONOSIS WITH REFERENCE TO RABIES AMONG VETERINARY PROFESSIONALS OF HAITI

Jessie Dyer
Centers for Disease Control and Prevention

12:30 – 14:00 LUNCH BREAK

14:00 – 15:00

**ROUND TABLE
WRAP-UP DISCUSSION**

Moderator:
Chris Davies
Ontario Ministry of Natural Resources

Participants: A four member panel with representatives from Industry, Government, Research, and a Non-Governmental Organization (Membership TBA)

This closing Round Table session will provide an opportunity for the Panel to present their respective views on information shared at RITA XXIV that could include: unanswered questions; hot issues; emerging issues; discrepancies/ disagreements; challenges; knowledge gaps; areas for future work/ research. An open discussion to follow presentations.

15:00 – 15:30

**ORGANIZING COMMITTEE
2014 RITA XXV MEXICO**

15:30 – 16:30

CLOSING CEREMONY

Co-Chaired by: Jan Sargeant and Charles Rupprecht

POSTERS

PP058

FIELD TRIALS WITH ONRAB ORAL RABIES
VACCINE IN RACCOONS IN THE UNITED STATES:
2011-2012

Richard Chipman
USDA/APHIS/Wildlife Services

PP060

INVESTIGATION A OF AN IMPORTED HUMAN
RABIES CASE WITH SYMPTOM ONSET WHILE IN
FEDERAL CUSTODY, SOUTH TEXAS, 2013

Ryan Wallace
Centers for Disease Control and Prevention

PP061

SHARING CROSS-REGIONAL KNOWLEDGE AND
STRATEGIC PARTNERSHIPS IN CANINE RABIES
CONTROL

Beryl Mutoonono-Watkiss
The World Society for the Protection of Animals
(WSPA)

PP062

NOVEL APPROACH TO RISK MITIGATION -
AUSTRALIAN BAT LYSSAVIRUS IN TWO HORSES

Janine Barrett
Biosecurity Queensland, Department of
Agriculture, Fisheries and Forestry

PP063

COMPORTAMIENTO DURANTE SIETE AÑOS DE
LAS AGRESIONES A HUMANOS POR
MURCIÉLAGOS HEMATÓFAGOS EN EL NORTE DE
JALISCO, MÉXICO, POSTERIOR A LA
IMPLANTACIÓN DE UNA CAMPAÑA INTENSIVA
PARA CONTROLAR SU POBLACIÓN Y SU
RELACIÓN CON LA EXISTENCIA DE REFUGIOS
CERCANOS.

Angélica de la Asunción González López
Secretaría de Salud Jalisco

PP064

EL PROGRAMA COMUNIDADES SALUDABLES
COMO APOYO A LA PREVENCIÓN Y CONTROL DE
LA RABIA EN LA REGIÓN DE LA COSTA GRANDE
DE GUERRERO, MÉXICO

Lorena Dorantes
Secretaria de Salud Guerrero

RESTAURANT SUGGESTIONS

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| <p>309 Dhaba Indian Excellence 309 King Street West Toronto, ON M5V 1J5 (416) 740-6622 www.dhaba.ca</p> | <p>Fresh on Spadina 147 Spadina Avenue Toronto, ON M5V 2L7 (416) 599-4442 www.freshrestaurants.ca</p> | <p>Quiznos Sub 228 Wellington Street West Toronto, ON M5V 3W1 (416) 977-0997 www.quiznos.ca</p> |
| <p>Big Daddy's Bourbon Street Bistro & Oyster Bar 212 King Street West Toronto, ON M5H 1K5 (416) 599-5200 www.bigdaddys.ca</p> | <p>Fusaro's Kitchen 147 Spadina Avenue Toronto, ON M5V 2L7 (416) 260-8414 www.fusaros.com</p> | <p>Ravi Soups 322 Adelaide Street West Toronto, ON M5V 1P7 (647) 435-8365 www.ravisoup.com</p> |
| <p>Burger Brats 254 Adelaide Street West Toronto, ON M5H 1X6 (647) 352-4786 www.burgerbrats.ca</p> | <p>Khao San Road 326 Adelaide Street West Toronto, ON M5V 1P7 (647) 352-5773 www.khaosanroad.ca</p> | <p>Second Cup 287 King Street West Toronto, ON M5V 1J5 (416) 340-9888 www.secondcup.com</p> |
| <p>Charlie Condos 430 King W Toronto, ON M5V 1L5 (647) 348-0430 www.charliecondos.com</p> | <p>Kit Kat Italian Bar & Grill 297 King Street West Toronto, ON M5V 1J5 (416) 977-4461 www.kitkattoronto.com</p> | <p>Shoeless Joe's Sports Grill 276 King Street West Toronto, ON M5V 1J2 (416) 596-4203 www.shoelessjoes.ca</p> |
| <p>Cora - Blue Jays Way 277 Wellington Street West Toronto, ON M5V 3E4 (416) 598-2672 www.chezcora.com</p> | <p>Marcel's Bistro & Lounge 315 King St W Toronto, ON M5V (416) 591-8600 www.marcel's.com</p> | <p>Smoke's Poutinerie 218 Adelaide Street West Toronto, ON M5H 1W7 (416) 599-2873 www.smokespoutinerie.com</p> |
| <p>Corned Beef House 270 Adelaide Street West Toronto, ON M5H 1X6 (416) 977-2333 www.cornedbeefhouse.com</p> | <p>McDonald's 160 Spadina Avenue Toronto, ON M5T 2C2 (416) 703-7401 www.mcdonalds.ca</p> | <p>Starbucks 370 King Street West Toronto, ON M5V 1J9 (416) 595-9213 www.starbucks.ca</p> |
| <p>Dunn's Famous Delicatessen 284 King Street West Toronto, ON M5V 1J2 (416) 599-5464 www.dunnsfamous.com</p> | <p>N'Awlins 299 King Street West Toronto, ON M5V 0C4 (416) 595-1958 www.nawlins.ca</p> | <p>Sushi Oniwa 214 King Street West Toronto, ON M5J 2H5 (416) 971-9222</p> |
| <p>Elephant & Castle 212 King Street West Toronto, ON M5H 1K5 (416) 598-4455 www.elephantcastle.com</p> | <p>Paese Ristorante 333 King Street West Toronto, ON M5V 1J5 (416) 599-6585 www.paeseristorante.com</p> | <p>Thai Princess Restaurant 387 King Street West Toronto, ON M5V 1K1 (416) 977-8222 www.thaiprincess.ca</p> |

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| <p>Fred's Not Here Restaurant 321 King W Toronto, ON M5V 1J5 (416) 971-9155 www.fredsnothere.com</p> | <p>Penelope Restaurant 225 King Street West Toronto, ON M5V 3C6 (416) 351-9393 www.penelopes.com</p> | <p>Tim Hortons 322 King Street West Toronto, ON M5V 1J2 (416) 642-1430 www.timhortons.com</p> |
| <p>IL FORNELLO 214 King Street West Toronto, ON M5H 3S6 (416) 977-2855 www.ilfornello.com</p> | <p>Pizza Rustica 270 Wellington Street West Toronto, ON M5V (416) 260-0200 www.pizzarustica.ca</p> | <p>Verona Ristorante 335 King St W Toronto, ON M5V 1J5 (416) 593-7771 www.verona.sites.toronto.com</p> |
| <p>Jack Astor's 133 John Street Toronto, ON M5V 2E4 (416) 595-9100 www.jackastors.com</p> | <p>Quesada Mexican Grill 234 Wellington Street West Toronto, ON M5V 3C6 (416) 644-0876 www.quesada.ca</p> | <p>Wayne Gretzky's 99 Blue Jays Way Toronto, ON M5V 9G9 (416) 348-0099 www.gretzkys.com</p> |



ATTRACTIONS

- ★★★★★★
Canada's Walk of Fame
canadaswalkoffame.com
- 29 CN Tower
301 Front St. W.
cntower.ca
- 29 Ripley's Aquarium of Canada
288 Bremner Blvd.
ripleysaquariumofcanada.com
(Opening 2013)
- 33 Steam Whistle Brewery
255 Bremner Blvd.
steamwhistle.ca
- 33 Toronto Railway
Heritage Centre
255 Bremner Blvd.
trha.ca

HOTELS & ACCOMMODATIONS

- 6 Canadiana Backpackers Inn
42 Widmer St.
canadianalodging.com
- 16 The Clarence Park
7 Clarence Square
theclarencepark.com
- 30 Delta Toronto (Future)
(Opening Fall 2014)
delhotels.com
- 24 Fairmont Royal York
100 Front St. W.
fairmont.com/royalyork
- 9 Hilton Garden Inn
92 Peter St.
hiltongardeninn.com
hilton.com
- 14 Hôtel Le Germain
30 Mercer St.
germaintoronto.com

THEATRE, ARTS & CULTURE

- 31 Hôtel Le Germain
Maple Leaf Square
301 Front St. W.
germainmapleleafsquare.com
- 10 Hyatt Regency Toronto
370 King St. W.
hyattregency.com
- 26 InterContinental
Toronto Centre
255 Front St. W.
ichotelsgroup.com
- 20 Residence Inn Toronto
Downtown/
Entertainment District
255 Wellington St. W.
marriott.com
- 27 Renaissance
Toronto Downtown
1 Blue Jays Way
marriott.com
- 21 The Ritz-Carlton, Toronto
181 Wellington St. W.
ritzcarlton.com/toronto
- 18 The Rosemont
Residences
50 John St.
rosemontresidences.ca
- 7 Shangri-La
188 University Ave.
shangri-la.com
- 19 SoHo Metropolitan
318 Wellington St. W.
metropolitan.com
- 8 Templar Hotel
348 Adelaide St. W.
templarhotel.com
- 1 401 Richmond
401 Richmond St. W.
401richmond.net

- 22 Beauchamp
Art Gallery
55 Simcoe St.
galeriebeauchamp.com
- 4 Four Seasons Centre
for the Performing Arts
Canadian Opera Company
& The National Ballet
of Canada
145 Queen St. W.
fourseasonscentre.ca
- 23 Glenn Gould Studio
250 Front St. W.
cbc.ca/glenn Gould
- 12 Princess of
Wales Theatre
300 King St. W.
mirvish.com
- 15 Roy Thomson Hall
Toronto Symphony
Orchestra & Toronto
Mendelssohn Choir
60 Simcoe St.
roythomson.com
- 13 Royal Alexandra Theatre
260 King St. W.
mirvish.com
- 5 Scotiabank Theatre
259 Richmond St. W.
cineplex.com
- 17 The Second City
51 Mercer St.
secondcity.com
- 11 TIFF Bell Lightbox
350 King St. W.
tiff.net
- 12 Toronto Antiques
on King
284 King St. W.
torontoantiquesonking.com
- 3 Yuk Yuk's Comedy Club
224 Richmond St. W.
yukyus.com

MEDIA

- 2 Bell Media
MuchMusic, Bravo, etalk,
The Marilyn Denis Show,
MTV, BNN, CP24, SPACE,
E!, CHUM FM 104.5,
FLOW 93-5
299 Queen St. W.
bellmedia.ca
- 23 Canadian Broadcasting
Corporation
250 Front St. W.
cbc.ca
- 10 The Score Sports
Network
370 King St. W.
thescore.com

MEETINGS, EVENTS & SPORTS VENUES

- 32 Air Canada Centre &
Maple Leaf Square
Toronto Maple Leafs,
Toronto Raptors &
Rock Lacrosse
40 Bay St.
theaircanadacentre.com
- 25 Metro Toronto
Convention Centre
North Building
255 Front St. W.
South Building
222 Bremner Blvd.
mtccc.com
- 28 Rogers Centre
Toronto Blue Jays &
Toronto Argonauts
1 Blue Jays Way
rogerscentre.com

toronto
entertainment
district
torontoed.com



- Walk-in medical clinics
- Pharmacies
- Bike Parking Station
- BIXI Bike Locations
- Go Transit (gotransit.com)
- TTC Stations (ttc.ca)
- VIA Rail (viarail.ca)
- Enclosed Walkway (toronto.ca/path)
- Future Walkway (toronto.ca/path)
- Walkway Outdoor Connection (toronto.ca/path)
- Parking (torontoed.com/map/parking)



TORONTO, ONTARIO, CANADA OCTOBER 27th – 31st, 2013