



Altafiumara Hotel & Resort, S. Trada di Cannitello (Villa S. Giovanni, RC)

October 2 – 5, 2011

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4TH EUROPEAN ROTAVIRUS BIOLOGY MEETING

On-site registration at the Fourth European Rotavirus Meeting will start at 15:00 on October 2nd, 2011. The scientific sessions will begin at 8:30 AM on October 3rd, 2011, and will close at 12:00 on October 5th.

ERBM shuttle buses will be available at the airport or Reggio Calabria "Tito Minniti" only on October 2 afternoon/evening, and will transfer delegates to the congress site "Altafiumara" (approx 25 min drive).

In September, a **Transfer Information Form** will be made available in the Web site for each delegate to send personal flight information, so as to optimize airport collection.

A shuttle service will also be made available for departure on October 5 afternoon at fixed times:

- *Guests and luggage should be ready for departure at 17:00 near the lobby. Coach will transfer to the airport on time for Alitalia flight to Rome taking-off at 19:15.*
- *Travellers with the 16:15 Blue-express flight to Rome will leave the hotel at 14:00.*

No free-transportation from/to airport will be available for guests arriving or departing on days other than October 2 and 5, or at early/late hours. Taxi service or Hotel shuttle races (cost for sharing same as for single passenger) from/to the airport to/from Altafiumara are quoted approximately 25€.

FOURTH EUROPEAN ROTAVIRUS BIOLOGY MEETING

ALTAFIUMARA - SANTA TRADA DI CANNITELLO, VILLA SAN GIOVANNI (RC) – ITALY

(2 – 5 October, 2011)

PROGRAMME HIGHLIGHTS

The Organizing Committee, in agreement with previous ERBM experience has decided to provide an afternoon break to facilitate personal exchange between participants in a context other than the scientific sessions, also in consideration of the very intense scientific program along the 2 ½ days of meeting.

A cultural visit to the “Bronzi di Riace” is being organized in the Museum palace located in Reggio Calabria. The Museum is currently under renovation, and the two Greek 2 mt high bronze statues (5th century B.C.) are presently located in Palazzo Campanella, home of the Regional Government, where they have undergone a 14 month-long restoration. In case the refurbishing of the Museum and re-homing of the statues is not completed on time for the ERBM, the visit will take place at Palazzo Campanella, and the statues will be admired in the unconventional horizontal position used by the Florence School of Renovation experts for their accurate inspections and intervention. In both cases, there will be a presentation of the artistic and historical value of these marvelous bronze masterpieces, found underwater in 1972, with a scientific description of the applied renovation protocols.

It is also planned that the visit to the Bronzes (expected time: 1 hour) will be followed by a 1 hour visit to the nearby Museo del Bergamotto, citrus fruit specific of Calabria, which among multiple uses is also the basis for antimicrobial (and anti-viral) therapies as well as for treatment of medical and environmental surfaces and tools. The site will make it available a conference room, and the President of the Museum will give a short English presentation on the production and the preparation of the active compound out of the fruit.

Web sites:

Bronzi di Riace:

<http://www.bronzidiriace.org/bdr/>

Museo del Bergamotto:

<http://reggio-calabria.mondodelgusto.it/2011/04/15/museo-del-bergamotto-reggio-calabria/>

THE MEETING

The ERBM will cover all biology aspects of human and animal rotaviruses, from viral replication to protein structure, through molecular epidemiology and pathogenesis, infection and prevention, immunology and vaccine aspects, etc.

The 4th ERBM is divided into 6 sessions, namely:

SESSION 1: “Replication and Assembly”

Presentations will explore the fundamental mechanisms through which rotavirus infects and communicates with cells, to the aim of producing viral progenies. Protein synthesis, packaging and capsid assembly will be explored during the KN lecture given by JT Patton, NIH, USA. Other aspects from reverse genetics, proteasome, viroplasm and sub-viral particles production, to signalling, cell perturbation and autophagy, will complement.

SESSION 2 “Infection and Immunity”

The KN lecture given by U Desselberger, University of Cambridge, UK, will revise the basis of immunity and protection from rotavirus infection and disease merging more than two decades of research findings in this field of rotavirus research. Short presentations will cross-section antigen specificities of animal versus human rotaviruses, changing epidemiological patterns of emerging and unusual viral strains of man and animals, antibody responses to recombinant subviral particles and alternative antibody production factories.

SESSION 3 “Pathophysiology and Virus-Cell Interactions”

The session is initiated by L Svensson, University of Linkoping, Sweden, overarching the pathogenic mechanisms of rotavirus leading to symptomatic infection in humans, based on advance laboratory investigation systems. Following talks will enter details of the host-pathogen interactions including the Ca²⁺ homeostasis and links with NSP4 activity, the role of serotonin, enterochromaffin cells and the enteric nervous system, the intestinal motility and permeability, and possible role of innate immunity and antiviral molecules.

SESSION 4-5 “Molecular Epidemiology and Diagnosis”

These twin sessions are introduced by M Iturriza-Gomara, HPA, London, UK, presenting the integrated European surveillance network EuroRotaNet, which is now representing the main source of molecular typing data worldwide, with an established 5-year activity. The sessions will also present regional data on rotavirus typing by several members of ERN, to show some early effects of vaccination campaigns on rotavirus genotypes circulation, the evolution of particular virus genotypes of human, animal and zoonotic interest, entering the details of specific genes sequences or on a whole genome scale.

SESSION 6 “Vaccines”

The final session of the meeting will range from country-valid observations as well as models of vaccination efficacy, in terms of reduced hospitalizations and herd benefits, to similarities between vaccine strains and circulating rotavirus in the post-vaccine years, as well as investigations on possible next generation rotavirus vaccines. The session will be opened by a KN by A Wasley, WHO/EURO, Copenhagen, reporting experience and interests of WHO on surveillance networks development on a global scale.

All the scientific contributions to the Fourth ERBM will be printed in the Abstract book, which will be given to the participants on their arrival and registration at the meeting site. The Abstract book will also be made available in the web site of the meeting prior to delegate arrival. It is anticipated that the Abstract book will comprise 5 Key Note Lectures, 38 short oral presentations, and 37 posters.

THE 4TH ERBM ORGANIZING COMMITTEE

LUCIA FIORE

FRANCO M RUGGERI

NATHALIE PAREZ

LENNART SVENSSON

FINAL AGENDA

Sunday 2nd October

15:00-19:00 Registration / Reception

20:00-22:00 Welcome Dinner

Monday 3rd October

08:30-09:00 Presentation and opening of the meeting

SESSION 1 “Replication and Assembly”

Chaired by: L Svensson, Durga C Rao

09:00-09:30 Key Note Lecture

“The Link between Rotavirus Capsid Assembly and Genome Replication”

John T Patton, NIH, Bethesda, USA

09:30-10:15 Free oral presentations

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|------------|---|
| J Richards | Engineering a helper virus-free reverse genetics system for rotaviruses |
| O Burrone | Production of Recombinant Biotinylated Rotavirus Particles |
| F Arnoldi | Rotavirus Activates the ERK1/2 Signalling Pathway |

10:15-11:30 Coffee break & Poster A viewing

11:30-12:30 Free oral presentations

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|-------------------|--|
| U Desselberger | Rotaviruses associate with cellular lipid droplets to replicate in viroplasm |
| G Trugnan | ER Stress and autophagy modulation during rotavirus infection |
| K Suguna | A Novel Pentameric Structure of the Diarrhea-inducing Region of the Rotavirus Enterotoxigenic Protein NSP4 |
| L Padilla-Noriega | Site-directed mutations on rotavirus protein NSP1 that are stabilized against proteasome degradation |

12:30-14:00 Lunch Break & Poster A viewing

SESSION 2 “Infection and Immunity”

Chaired by: FM Ruggeri, O Burrone

14:00-14:30 Key Note Lecture

“Immune responses after rotavirus infection and vaccination, and their significance as correlates of protection from disease”

Ulrich Desselberger, University of Cambridge, UK

14:30-16:00 Free oral presentations

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| R Johne | Distribution and molecular characterization of group A, D, F and G rotaviruses from poultry |
| J Nordgren | Emergence of unusual G6P[6] rotavirus strains among diarrheal children in Burkina Faso |
| E Heylen | High prevalence of human G8 and P[6] rotavirus strains during 2008-10 in the Democratic republic of the Congo |
| P Pothier | Surveillance of group A rotavirus genotypes circulating under vaccination pressure in French cattle |
| C Vega | Heterologous antibodies from chicken egg yolk to prevent rotavirus diarrhea |
| D Agnello | Intrarectal immunization with rotavirus 2/6 virus-like particles as a model to investigate lymphocyte homing to mucosal surfaces. |

16:00-17:00 Coffee break & Poster A viewing

SESSION 3 “Pathophysiology and Virus-Cell Interactions”

Chaired by: U Desselberger, G Trugnan

17:00-17:30 Key Note Lecture

“How Does Human Rotavirus Cause Disease?”

Lennart Svensson, University of Linkoping, Sweden

17:30-19:15 Free oral presentations

MC Ruiz	Ca ²⁺ entry through the reversed Na ⁺ /Ca ²⁺ exchanger in rotavirus infected- or NSP4-expressing cells.
M Hagbom	Rotavirus stimulates release of serotonin (5-HT) from human enterochromaffin cells and activates brain structures involved in nausea and vomiting
C Durga Rao	Tetramer and Ca ²⁺ -independent enterotoxigenic activity, and subgroup-specific determinants of Rotavirus NSP4.
O Lundgren	The enteric nervous system and intestinal innate immunity mechanisms
C Istrate	Rotavirus stimulates small intestinal motility but not permeability at the time of diarrhea onset
F Michelangeli	Dissecting the pathways for Ca ²⁺ entry in rotavirus infected or NSP4 expressing cells
G Santoro	Thiazolides, a new class of antiviral agents effective against rotavirus infection, target virus morphogenesis.

20:30-22:30 Dinner

Tuesday 4th October

SESSION 4 “Molecular Epidemiology and Diagnosis I”

Chaired by: J Gray, O Nakagomi

08:30-09:00 Key Note Lecture

“Rotavirus Strains Surveillance in Europe: EuroRotaNet”

Miren Iturriza-Gomara, Health Protection Agency, Colindale, UK

09:00-10:30 Free oral presentations

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| S De Grazia | Molecular characterization of genotype G6 human rotavirus strains detected in Italy from 1986 to 2009 |
| A Steyer | The changed pattern of rotavirus genotypes and emerging bovine-like zoonotic rotavirus strains in hospitalized children in Slovenia |
| J Matthijnsens | Complete molecular genome analyses of equine rotavirus strains from different continents reveal several new genotypes and a largely conserved genotype constellation |
| M Sandrasegaram | Molecular characterisation of genes encoding NSP2 and NSP5 of human rotavirus: evidence of independent segregation |
| L Fiore | The Italian Rotanet Surveillance Program. Rotavirus genotypes among children hospitalized with severe gastroenteritis, 2007-2011. |
| E Heylen | Complete genetic characterization of human G2P[6] and G3P[6] rotavirus strains |

10:30-11:15 Coffee break and Poster B viewing

SESSION 5 “Molecular Epidemiology and Diagnosis II”

Chaired by: JT Patton, N Perez

11:15-12:45 Free oral presentations

D Koukou	Genetic characterization of Greek Rotavirus isolates during 2008-2011
J Matthijnssens	Sequence-based definition of rotavirus species using pairwise identity frequency analysis
O Nakagomi	A global and evolutionary perspective of the G2 VP7 genes of rotavirus strains detected over the last 34 years
GM Giammanco	Phylogenetic analysis of the VP4 gene evolution of P[8] rotaviruses circulating over 25 years in Palermo, Italy
H O'Shea	Zoonotic potential of Rotaviruses: characterisation of rotavirus implicated in disease in humans and food animals in Ireland
V Blazevic	Use of rotavirus non-neutralizing, cross-reactive VP6 protein in combination vaccine against rotavirus and norovirus gastroenteritis

12:45-14:00 Lunch Break & Poster B viewing

14:30-19:00 Meeting tour “*Beauties of Calabria*”

20:30-23:30 Dinner & other

Wednesday 5th October

SESSION 6 “Vaccines”

Chaired by: M Iturriza-Gomara, L Fiore

09:00-09:30 Key Note Lecture

“WHO surveillance networks for rotavirus and the link to the development and monitoring of vaccine policy”

Annemarie Wasley, WHO Regional Office for Europe, Copenhagen, Denmark

09:30-10:15 Free oral presentations

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| M Zeller | Rotavirus genotype distribution in Belgium: 5 years after vaccine introduction |
| L Shulman | Rotavirus gastroenteritis in Israel before and after partial introduction of rotavirus vaccines |
| HG O'Neill | Production of rotavirus-like particles in insect cells using the codon optimized consensus sequence of a South African G9P[6] strain |

10:15-11:15 Coffee break & Poster B viewing

11:15-12:00 Free oral presentations

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|-------------|--|
| M Zeller | Genetic analyses reveal differences in the VP4 and VP7 antigenic domains of human rotaviruses circulating in Belgium and Rotarix™ and RotaTeq™ vaccine viruses |
| VE Pitzer | Direct and indirect effects of rotavirus vaccination: Comparing predictions from transmission dynamic models |
| B Standaert | Impact of rotavirus vaccination after 3 years: additional herd benefit observed? |

12:00-14:00 Closure of Meeting, Lunch & Farewell

For Delegates of “EuroRota-Net” project

14:00-16:00 Executive meeting

INSTRUCTIONS FOR ORAL PRESENTATION

Presentations should preferably be in **PowerPoint** or PDF (Key Note for Mac users is also accepted on request). Presentations shall be brought on a CD or on a “disk on key” Memory stick (using the USB port in the computer) and loaded on the congress’ computers in the Conference Room, well before the start of the corresponding session. We recommend all authors check in advance the compatibility of their presentation.

You may supply your own laptop computer, only **as a back-up (or in case of special programs, i.e. movies, other, not supported locally)**. Normally, all presentation will use the Conference PC.

Important note for Macintosh users

In order to use MAC presentations on a PC compatible computer please note that you need to prepare it according to the instructions below:

1. Use a common font, such as Arial, Times New Roman, Verdana etc. (special fonts might be changed to a default font on a PowerPoint based PC).
2. Insert pictures as JPG files (and not TIF, PNG or PICT - these images will not be visible on a PowerPoint based PC).
3. Use a common movie format, such as AVI, MPG and WMV (MOV files from QuickTime will not be visible on a PowerPoint based PC)

You may use your own Macintosh laptop computer **as a back-up**. In such a case please **confirm that it has a VGA socket** for external signal and come to check it as soon as you arrive.

Free oral presentation must be given within the 15 min slots, due to the restraints in the Congress schedule. It is **strongly advised** that speech is given within 12 minutes, allowing up to 3 min for discussion and timely start of the next talk. Chairpersons will take care of timely speech delivery.

INSTRUCTIONS FOR POSTER PRESENTATION

Posters should be mounted on October 2 between 16.00 and 19.00 and remain on display until the end of sessions on October 5. The dimensions of the poster should be up to **80 cm wide x 100 cm high**. Material for mounting posters will be provided in the poster area. Authors are requested to be present at their posters during the poster session for which their poster has been scheduled (either **Session A** or **Session B**).

Please note the following information regarding your presentation:

- The dimensions of the poster boards are **90 cm wide x 110 cm high** (vertical poster!).
- Do not exceed the board size for the poster itself (ideal **max size 80 cm w x 100 cm h**).
- Material will be available for the hanging of posters.
- Please refer to the Congress Programme for the poster number assigned to you, as well as your time of presentation. **Please use the board with the same number (1 through 37)**.

- The following list reports Poster Abstracts' in alphabetical order according to the first author, indicating corresponding board number and discussion session.

- Type A or B indicate session of poster discussion (see corresponding day/hours on the program).

POSTERS'

BOARD NUMBER & DISCUSSION SESSION "A" OR "B"

(by first author's alphabetical order)

1 A

DETERMINANTS OF THE ROTAVIRUS NSP1 PROTEIN AFFECTING ITS ROLE AS AN INTERFERON ANTAGONIST

Arnold Michelle M, and Patton John T

3 B

WHOLE GENOMIC ANALYSIS OF THREE REPRESENTATIVE BOVINE STRAINS FROM ARGENTINA

Badaracco Alejandra, Zeller Mark, Elisabeth Haylen, Garaicoechea Lorena, Matthijnssens Jelle, Parreño Viviana

4 B

DETECTION AND CHARACTERIZATION OF GROUP A ROTAVIRUS IN VICUGNA FROM ARGENTINA AND ALPACAS FROM PERU

Badaracco Alejandra, Cordero Aida, Sandra Romero, Rodriguez Daniela, Bok Marina, Suarez Perez Nancy, Zeller Mark, Elisabeth Heylen, Gonzalo Fernández, Pablo Díez, Patrocinio Morrondo, Hector Guevara, Oscar Choquegonza, Marc Van Ranst, Parreño Viviana and Jelle Matthijnssens

5 A

BIOCHEMICAL AND FUNCTIONAL CHARACTERIZATION OF RECOMBINANT WA AND SA-11 ROTAVIRUS NSP4

Biasin Alberto, Monini Marina, Buccigrossi Vittoria, Guarino Alfredo, Ruggeri Franco M

7 B

MOLECULAR CHARACTERIZATION OF ROTAVIRUS STRAINS FROM CHILDREN WITH ACUTE GASTROENTERITIS (LOMBARDY, 2008-2010)

Binda S, Gambino M, Pellegrinelli L, Delogu R, Ianiro G, Barbi M, Bubba L, Mammoliti A, Primache V, Ruggeri FM, Fiore L

8 A

RAPID METHOD FOR DETECTION OF HUMAN ROTAVIRUS IN SEWAGE SAMPLES

Bonomo Paolo, Battistone Andrea, Delogu Roberto, Ruggeri Franco M, Labianca Michele, Simeoni Josef, Pennino Francesca, Cicala Antonella, Castiglia Paolo, and Fiore Lucia

9 A

ROTAVIRUS INDUCES OXIDATIVE STRESS IN HUMAN EPITHELIAL INTESTINAL CELLS BY INCREASING REACTIVE OXYGEN SPECIES AND DECREASING ANTIOXIDANT DEFENCES.

Buccigrossi Vittoria, Nicastro Emanuele, Wudy Anna, Laudiero Gabriella, Verrone Maria Antonietta, Sofia Morena, Oliva Valentina, Guarino Alfredo

10 B

ROTAVIRUS IN PANAMA AND THE DOMINICAN REPUBLIC: CAPRINE-BOVINE ORIGIN G3P[6] ROTAVIRUS STRAINS IN A CHILD WITH ACUTE GASTROENTERITIS

Bourdett-Stanziola Lurys, Gagliardi Leite Jose Paulo, Jiménez Carlos and Ortega-Barria Eduardo

11 A

DETECTION AND PRELIMINARY CHARACTERIZATION OF ROTAVIRUSES IN BIRDS WITH ENTERITIS IN ITALY

Canelli E, Cordioli P, Murgia MV, Lavazza A

13 B

GENETIC VARIABILITY OF HUMAN ROTAVIRUS G8P[8] IDENTIFIED IN CROATIA IN 2006

Delogu R, Ruggeri FM, Lo Presti A, Cella E, Ciccozzi M, Sternak SL, Bukovski-Simonoski S, Lukic-Grlic A, Fiore L

15 A

MOLECULAR AND CLINICAL CHARACTERIZATION OF ROTAVIRUS FROM DIARRHEAL INFANTS ADMITTED TO PEDIATRIC EMERGENCY UNITS IN FRANCE, 2006-2010

de Rougemont Alexis, Kaplon Jérôme, Fremy Céline, Pothier Pierre, and the French rotavirus network

16 A

GROUP A ROTAVIRUS INFECTION IN FARM ANIMALS IN RURAL COMMUNITIES OF HONDURAS

Ferrera Annabelle, Quan Doris

6 A

INTRACELLULAR REDOX BALANCE AND GENE EXPRESSION IN CELL-BASED SYSTEMS: A CLOSE-UP OF ROTAVIRUS PATHOGENESIS

Gac Małgorzata, Koehler Christian, Rueckner Antje, Granzow Harald and Vahlenkamp Thomas W

17 B

GROUP A ROTAVIRUS DETECTION ON ENVIRONMENTAL SURFACES IN AN ADULT INTENSIVE CARE UNIT IN RIO DE JANEIRO, BRAZIL

Ganime AC, Carvalho-Costa FA, Mendonça MCL, Vieira CB, Santos M, Costa Filho R, Miagostovich PM, Leite JPG

18 B

PHYLOGENETIC ANALYSIS OF BRAZILIAN P[6]G1 ROTAVIRUS A STRAINS FROM CHILDREN VACCINATED WITH ROTARIX

Gómez MM, Rose TL, Silva MFM, Volotão EM, Leite JPG

38 A

SURVEILLANCE OF ROTAVIRUS G1 VP7 SEQUENCES IN FINLAND AFTER INTRODUCTION OF PENTAVALENT HUMAN-BOVINE REASSORTANT VACCINE

Hemming M, Vesikari T

20 A

COMPLETE GENETIC CHARACTERIZATION OF HUMAN P[6] ROTAVIRUS STRAINS FROM THE DEMOCRATIC REPUBLIC OF THE CONGO

Heylen Elisabeth, Zeller Mark, Stevens Stijn, Batoko Bibi, Van Geet Christel, Jacobs Jan, Van Ranst Marc, Matthijnssens Jelle

14 B

MOLECULAR CHARACTERIZATION OF G9P[8] ROTAVIRUS STRAINS CIRCULATING IN ITALY IN 2007 AND 2010

Ianiro G, Delogu R, Heylen E, Zeller M, Matthijnssens J, Fiore L, Ruggeri FM

21 B

DETECTION AND STRAIN CHARACTERIZATION OF ROTAVIRUSES CIRCULATING IN ALBANIA FROM 2007 TO 2008

Kota M, Petouchoff T, Bino S, Xhelili L, Simaku A, Fiore L, Robo A, Hatibi I, Lika M, Ruggeri FM

22 A

PREVALENCE OF HUMAN ROTAVIRUS STRAINS IN HUNGARY, 2006-2011

László Brigitta, Papp Hajnalka, Dandár Eszter, Deák Judit, Gray Jim, Iturriza-Gomara Miren, Jakab Ferenc, Juhász Ágnes, Kovács Julianna, Kónya József, Lengyel György, Martella Vito, Mészáros Júlia, Mészner Zsófia, Mihály Ilona, Molnár Péter, Nyúl Zoltán, Pátri László, Puskás Erzsébet, Schneider Ferenc, Tóth András, Tóth Erzsébet, Szűcs György, Bányai Krisztián

24 A

GENOTYPING OF GROUP A ROTAVIRUS STRAINS CIRCULATING IN GERMANY (2008-2010)

Mas Marques Andreas, Diedrich Sabine, Hoehne Marina

23 B

DECREASE IN ROTAVIRUS DIAGNOSES IN FINLAND DUE TO NATIONAL VACCINATION PROGRAM. G AND P TYPING AND MOLECULAR CHARACTERIZATION OF ROTAVIRUS ISOLATES

Maunula L, Klemola P, Lappalainen M, Laatikainen A, Roivainen M

25 B

TEMPORAL FLUCTUATIONS OF G4P[8] ROTAVIRUSES DO NOT CORRELATE WITH CHANGES IN THE VP7 ANTIGENIC REGIONS

Medici Maria Cristina, Tummolo Fabio, Guerra Paola, Corpus Francesco and Chezzi Carlo

26 A

SIX-YEAR STUDY OF ROTAVIRUS GASTROENTERITIS IN SOFIA-CITY AND REGION IN BULGARIA

Mladenova Zornitsa, Steyer Andrej, Chervenjakova Tatjana, Petrov Petar, Poljšak-Prijatelj Mateja, Korsun Neli

27 B

MOLECULAR CORRELATION OF G9 HUMAN AND PORCINE ROTAVIRUS STRAINS CIRCULATING IN NORTHERN ITALY

Monini M, Vaccari G, Ianiro G, Lavazza A, Ruggeri FM

2 A

INTRODUCTION OF SEQUENCE DUPLICATIONS AND NON-VIRAL SEQUENCES INTO THE ROTAVIRUS GENOME BY REVERSE GENETICS

Navarro-Nieto Aitor, Trask Shane D, and Patton John T

28 A

DETECTION OF AVIAN ROTAVIRUSES OF GROUPS A, D, F AND G IN DISEASED CHICKENS AND TURKEYS FROM EUROPE AND BANGLADESH

Otto Peter H, Ahmed Muzahed Uddin, Hotzel Helmut, Reetz Jochen, Trojnar Eva, Johne Reimar

29 B

MOLECULAR CHARACTERIZATION OF A KUWAITI CAMEL ROTAVIRUS STRAIN

Papp H, Al Mutairi LZ, Lengyel G, Grósz G, El-Sayed FH, Esam AA, Szűcs G, Bányai K

39 B

PEDIATRIC ROTAVIRUS INFECTION: GENOTYPES DISTRIBUTION IN A SURVEILLANCE SINCE 2008 IN MILAN

Rimoldi Sara Giordana, Monini Marina, Stefani Fabrizio, Pagani Cristina, Lisa Chenal, Loredana Tocalli, Longobardi Tina, Fiore Lorenza, Zuccotti Gian Vincenzo, Ruggeri Franco Maria, Gismundo Maria Rita

30 A

ORAL IMMUNIZATION OF MICE WITH LACTOCOCCUS LACTIS EXPRESSING THE ROTAVIRUS VP8* PROTEIN

Rodriguez-Diaz Jesus, Montava Rebeca, Viana Rosa, Buesa Javier, Perez-Martinez Gaspar, Monedero Vicente

32 B

ROTAVIRUS CIRCULATION IN PALERMO, ITALY, OVER 25 YEARS

Rotolo Valentina, Bonura Floriana, Platia Maria A, De Grazia Simona, Giammanco Giovanni M

12 A

DETECTION AND MOLECULAR CHARACTERIZATION OF A FOX GROUP A ROTAVIRUS

Sabelli C, Lelli D, Moreno A, Lavazza A, Chiari M, Gelmetti D, Garbarino C, Cordioli P, Boniotti MB

33 A

ROLE OF TONSILS IN ROTAVIRUS INFECTION

Sharma Sumit, Hagbom Marie, Nordgren Johan, Frodlund Jonas, Hinkula Jorma, Ledin Torbjörn, Svensson Lennart

19 B

MOLECULAR ANALYSIS OF VP1, VP2, AND VP3 GENES OF GROUP A ROTAVIRUS GENOTYPE G5 CIRCULATING IN BRAZIL BETWEEN 1986 AND 2005.

Silva MFM, Tort LFL, Gómez MM, Assis RMS, Mendonça MCL, Volotão EM and Leite JPG

31 A

PHYLOGENETIC ANALYSIS OF VP7 AND NSP4 GENES AMONG G9 ROTAVIRUS STRAINS IN EASTERN SPAIN, 2005-2009

Tellez-Castillo Carlos J, Fernandez-Jimenez Manuel, Carmona Noelia and Buesa Javier

34 B

GENOME SEQUENCE ANALYSIS OF A GROUP D ROTAVIRUS DERIVED FROM CHICKEN

Trojnar Eva, Otto Peter, Reetz Joche, John Reimar

35 A

G8P[14] ROTAVIRUS STRAINS OF PROBABLE ANIMAL ORIGIN TRANSMITTED TO HUMANS IN VENEZUELA

Vizzi Esmeralda, Piñeros Oscar, Fernández Rixio, Liprandi Ferdinando

36 B

FULL GENOME CHARACTERIZATION OF A PORCINE-LIKE HUMAN G9P[6] ROTAVIRUS STRAIN ISOLATED IN BELGIUM

Zeller Mark, Heylen Elisabeth, De Coster Sarah, Van Ranst Marc, Matthijnsens Jelle

37 B

PHYLOGENETIC ANALYSES OF ROTAVIRUS OP354-LIKE P[8] STRAINS INDICATE A RAPID SPREAD IN THE HUMAN POPULATION

Zeller Mark, Tamura Tsutomu, Potgieter Christiaan, Cunliffe Nigel, Maunula Leena, Heylen Elisabeth, Arora Ritu, Kulkarni Ruta H, De Coster Sarah, Chitambar Shobha D, Van Ranst Marc, Matthijnsens Jelle