



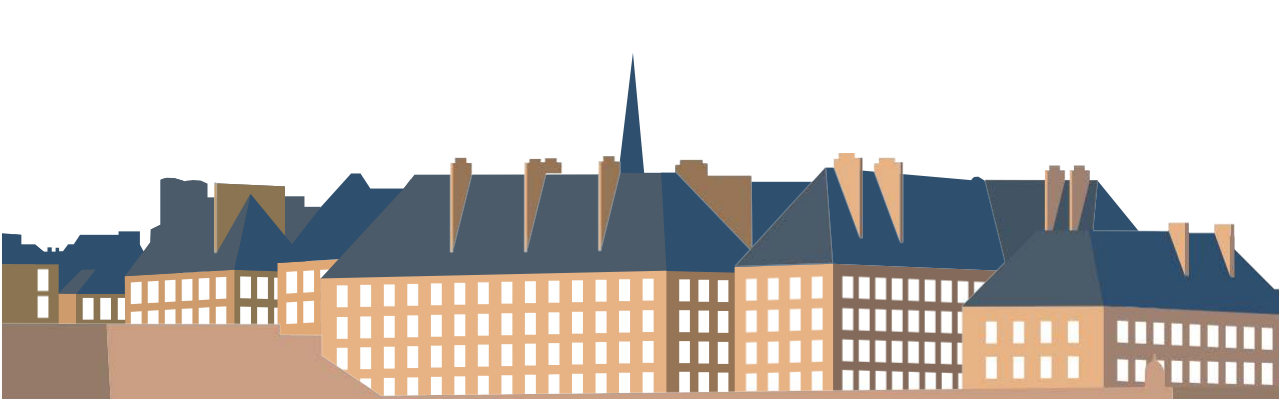
56^{èmes} Journées de la Recherche Porcine

Programme

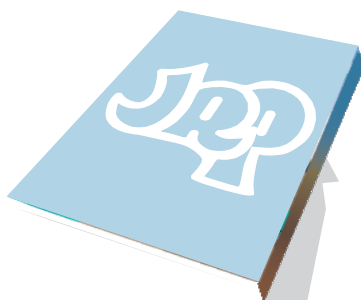
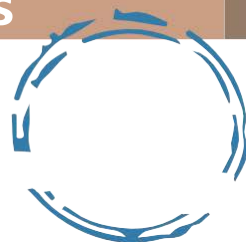
6 et 7 février 2024

ifip —
Institut du porc

INRAE



Program of French Swine Days



How to register?

(link to the webform) :

<https://ifip.asso.fr/inscription-aux-jrp-2024/>



English translation of oral presentations.

For non-French-speaking participants, simultaneous translation into English of all oral presentations will be provided live by 3 specialized interpreters present throughout the 2 days, with headsets provided in the room.

Comité
de soutien

56^{èmes} Journées
de la Recherche
Porcine



9:00 Coffee Welcome

9:45 Opening of the congress

Xavier Fernandez, INRAE

10:00-11:30 Genetics et Meat Quality

Chairman: Marie-José Mercat, IFIP

Oral interventions

1. **How does the feeding strategy affect the quality of organic pork products?**, *Chloé Van Baelen*, Lucile Montagne, Stéphane Ferchaud, Armelle Prunier, Bénédicte Lebre
2. **Welfare and meat quality of non-castrated male pigs in organic farming as a function of genotype**, *Bénédicte Lebre*, Stéphane Ferchaud, Alexandre Poissonnet, Armelle Prunier
3. **Factors associated with the prevalence of malodorous entire male pigs**, *Pierre-Yves Conan*, Jean-Yves Legaud, Arnaud Buchet
4. **Genetic study of the use of a human nose panel as phenotypes to detect boar taint**, *Alice Markey*, Christine Große-Brinkhaus, Daniel Mörlein, Ernst Tholen, Nicolas Gengler
5. **Strategies to use digestive efficiency to improve feed efficiency in pig**, *Vanille Déru*, Marie-José Mercat, David Picard, Bruno Ligonésche, Loïc Flatres-Grall, Florence Ytounel, Florian Herry, Joël Bidanel, Maxime Banville, Hélène Gilbert
6. **Changes in daily feeding rhythms could influence the genetics of feed efficiency in growing pigs**, *Hélène Gilbert*, Lawal Agboola, Aline Foury, Florence Gondret, Marie-Pierre Moisan

Posters

7. **Development of an automatic method to estimate the intramuscular fat content of fattening pigs**, *Kambiz Kashefifard*, Guillaume Lenoir, Clément Ribas, Loïc Flatres-Grall
8. **Genome-Wide Association Study (GWAS) of growth, carcass, and meat quality traits in a French Duroc population under selection**, *Aurélien Le Dreau*, Carolina Garcia-Baccino, Bruno Ligonésche
9. **Potential for improving the digestive efficiency of the three major French pig breeds**, *Céline Carillier Jacquin*, Sonja Allen, Philippe Ganier, Joël Bidanel, Claire Hassenfratz, Benoit Blanchet, Vanille Déru, Hélène Gilbert
10. **Effect of the proportion of phenotyped and genotyped animals on the genetic progress of a trait recorded on production farms**, *Tomasí Tusingwiire*, Céline Carillier-Jacquin, Arnaud Buchet, Bruno Ligonésche, Pauline Brenaut, Catherine Larzul
11. **Cold survival and pathogenicity of Yersinia enterocolitica BT4 strains isolated from pigs and genetically close or not to strains isolated from human cases**, *Martine Denis*, Emmanuelle Houard, Adiel Ouedraogo, Léonie Le Berre, Carole Feurer, Javier Pizarro-Cerda, Cyril Savin, Anne-Sophie Le Guern

11:30–12:45 Animal Health

Chairman : **Mily Leblanc Maridor**, ONIRIS

Oral Interventions

1. **Validation of a non-invasive tool for collecting the contents of the small intestine in post-weaning pigs**, **Inés García Viñado**, Federico Correa, Paolo Trevisi, Giuseppe Bee, Catherine Ollagnier
2. **What factors are associated with levels of internal parasitism in pigs in alternative rearing systems?**, **Maxime Delsart**, Nicolas Rose, Barbara Dufour, Jean-Michel Répérant, Radu Blaga, Chantal Benoit, Amandine Blaizot, Edouard Boudin, Jean-François Da Costa, Virginie Dorenlor, Florent Eono, Eric Eveno, Stéphane Kerphérique, Gilles Poulain, Marie Souquière, Martine Thomas Hénaff, Sandra Thoumire, Françoise Pol, Christelle Fablet
3. **Managing recurrent H1avN1 influenza by vaccinating piglets and controlling other coinfection agents on a French farrow-to-finish farm**, **Claudio Trombani**, Mélanie Ropars, Vianney Sicard, Sébastien Picault, Nicolas Rose, Mathieu Andraud
4. **Evaluation of potential indicators for genetic selection of pigs for enhanced, natural resistance to porcine reproductive and respiratory syndrome virus**, **Claudia A. Sevillano**, Jenelle R. Dunkelberger, Egbert F. Knol
5. **Descriptive study of the carrying of Streptococcus suis and serotypes 2, 1/2 and 9 on two French farms with clinical cases of streptococcosis**, **Morgane Rémond**, Eric Lewandowski, Vincent Muller, Célia Puyal- Rucine, Anne Lehebel, Hubert Gantelet, Claire De Boissésou, Corinne Marois-Créhan, Catherine Belloc

Posters

6. **Pig performance from post-weaning to the slaughterhouse before and after implementing oral vaccination against E. coli F4/F18**, **Jean-Luc Sevin**, Lucile Faisant, Sophie Vigneron, Bernard Fily, Vincent Burlot
7. **In vitro impact of yeast mannan-rich fraction on growth reduction of antibiotic resistant extended-spectrum β -lactamase producing Escherichia coli isolated from piglets**, Helen Smith, Richard Myrphy, **Raphael Ariaux**
8. **Colistin resistance in pigs – assessment of mitigation measures efficiency**, **Claire Chauvin**, Elsa Coz, Eric Jouy Marie-Laure Delignette-Muller, Agnès Perrin-Guyomard, Xavier Sauzea, Philippe Le Coz, Alexandre Poissonnet, Anne Hemoni, Anne Chevanche, Delphine Urban
9. **Evolution of growth performance from batch to batch in a context of high and variable exposure to PRRS virus**, **Raphaël Gauthier**, Simon Binggeli, Patrick Gagnon, Marie-Pierre Létourneau-Montminy
10. **Supervised machine learning as a tool to improve farrowing monitoring and stillborn rate in sows**, **Charlotte Teixeira**, Gwenaél Boulbria, Christophe Dutertre, Céline Chevanche, Théo Nicolazo, Valérie Normand, Justine Jeusselin, Arnaud Lebreton
11. **Evaluation of factors influencing anaemia in piglets from 1-42 days old and development of a method to assess the degree of anaemia at weaning.**, **Lucie Gautier** et Emma Cantaloube
12. **Subclinical mastitis in sows: characterization and impact on piglet growth**, **Noémie Kermarrec**, Yves Doussal, Pierre Levrard, Mathieu Gloaguen

12:45–3:15 Buffet Lunch

2:15-3:45 Animal Nutrition (part. 1)

Chairman: **Nathalie Quiniou**, IFIP

Oral Interventions

1. **Energy and protein contents of 10 pig forages**, **David Renaudeau**, Sarah Lombard, Florine Marie, Eloise Delamairie
2. **How does the range of feed ingredients influence the technical performance and environmental footprint of fattening pigs?**, **Estelle Janodet**, Hélène Gilbert, Ludovic Brossard, David Renaudeau, Florence Garcia-Launay
3. **Effect of trace minerals chelated with a hydroxy analogue of methionine on the reduction in stillbirth of piglets and their quality at weaning**, **Amandine Massiot**, Vincent Bégos Jean-Charles Besnard, Adèle Drouet, Mireille Huard, Roberto Barea
4. **Piglet response to L-leucine supply during the post-weaning phase depends on piglet birth weight**, **Sam Millet**, Carolien De Cuyper, Eline Kowalski, William Lambert, Aude Simongiovanni, Tristan Chalvon-Demersay
5. **Effects of reducing dietary crude protein on growth performance, product quality and environmental impacts of fattening pigs**, **Léa Cappelaere**, Florence Garcia-Launay, William Lambert, Aude Simongiovanni, Marie-Pierre Létourneau-Montminy
6. **A model to simulate metabolic fluxes of amino acids in the small intestine of pigs**, **Clément Garçon**, Nathalie Le Floc'h, Yves Mercier, Jaap van Milgen

3:45–4:30 Posters session and coffee break

4:30-6:00 Animal Nutrition (Part. 2)

Oral Interventions orales (cont.)

7. **Pea cell wall integrity and impact on protein digestibility**, **Myriam Grundy**, Marie- Hélène Perruchot, David Renaudeau, Jaap Van Milgen
8. **Estimating the efficiency of amino acid use using chemical composition data from growing pigs**, **Marion Lautrou** et Giuseppe Bee
9. **Impact of precision feeding during gestation on the productive career of nulliparous sows over three reproductive parities**, **Laetitia Cloutier**, Béatrice Sauvé, Lucie Galiot, Frédéric Guay, Gabrielle Dumas, Charlotte Gaillard, Jean-Yves Dourmad, Aude Simongiovanni, Patrick Gagnon
10. **Effects of precision phosphorus and calcium feeding on sow phosphocalcic status over two gestations**, **Thomas Lemée**, Julien Heurtault, Lucie Galiot, Patrick Schlegel, Laetitia Cloutier, Marie-Pierre Létourneau-Montminy
11. **Mechanistic model of dietary phosphorus and calcium use and the dynamics of body ash retention in lactating sows**, **Julien Heurtault**, Patrick Schlegel, Marie-Pierre Létourneau- Montminy
12. **Efficacy of phytase in growing pig and lactating sow diets is improved by a source of insoluble calcium carbonate**, **David Guillou**, Gaël Goasdoué, Noémie Lemoine

Posters

13. **Effect of Bacillus spp. probiotics on the ability to sustain early-weaned piglets receiving a 2nd age diet immediately**, **Sandrine Dufourny**, Mario Aguedo, Othmane Benchaib, Giulia De Razza, Véronique Delcenserie, Benjamin Dubois, Thami El Mejdoub, Sébastien Gofflot, Irma Gonza Quito, Elizabeth Goya-Jorge, Serge Hligsmann, Julien Populin, Maria Schroyen, Philippe Thonart, José Wavreille
14. **Changes in eating behaviour of piglets in the early days of post-weaning**, **Jeroen Degroote**, Thomas Van De Putte, Joris Michiels
15. **Effects of mannan rich fractions on the gut microbiome and histology of weaned pigs**, **Aoife Corrigan**, Robert Leigh, Brian O'Neill, Fiona Walsh, Richard Murphy
16. **Effects of protein-chelated zinc combined with a mannan-rich fraction to replace high-dose zinc oxide on growth performance, nutrient digestibility, and intestinal health in weaned piglets**, **Gang Zhang**, Jinbiao Zhao, Gang Li, Yuhao Guo, Defa Li, Yi Wu
17. **An encapsulated sodium butyrate derived from fermentation improves the performance of post-weaning piglets**, **Aude Simongiovanni**, Tristan Chalvon-Demersay, William Lambert, Jeroen Degroote; Chengcheng Li, Maryam Majdeddin, Joris Michiels
18. **Effects of a Mg-protected ZnO source on performance and gut function of weaned piglets**, **Zoé Garlatti**, Maryam Majdeddin, Margaux Tansu, Jeroen Degroote, Thomas Van De Putte, Chengcheng Li, Yuhuang Hou, Herinda Pertiwi, Joris Michiels
19. **Effects of two sources of zinc on growth performance and gut health of piglets with a low or normal birth weight**, **Clara Negrini**, Diana Luise, Federico Correa, Sara Viridis, Alessandra Monteiro, Paolo Bosi, Paolo Trevisi
20. **Effects after weaning of supplementation of rare earth minerals compared to zinc oxide in a piglet weaner diet**, **Jordi Lensink**, Iris Van Den Belt, Ashley Sijmonsbergen, Clément Moire, Ard Van Enckevort
21. **Effects of a nutritional strategy on growth performance and health in weaned piglets compared to the use of zinc oxide at pharmacological level**, **Arnaud Samson**, Fabien Guillard, Emmanuel Janvier
22. **The troubling tandem: investigating the interaction of isoflavones and zearalenone on weaning piglets**, **Barbara Novak**, Dino Grgic, Elisabeth Varga, Doris Marko, Laure Rouxel, Barbara Doupovec, Dian Schatzmayr
23. **A herbal vitamin D source improves the performance of piglets fed low-calcium starter diets**, **Luca Marchetti**, Kathrin Bühler, Riccardo Losa, Katia Pedrosa, Raffaella Rebutti, Caterina Piantoni, Elena Ruggeri, Valentino Bontempo
24. **Effect of low calcium diet supplemented with microbial phytase in post-weaning piglets**, **Marllon José Karpeggiane de Oliveira** et Marie-Pierre Letourneau Montminy
25. **Effect of calcium butyrate, tannins and their combination on the zootechnical performances, intestinal barrier and microbiota of weaned piglets**, **Charline Richard-Dazeur**, Pauline M Anton, Nelly Badalato, Marine De Koninck, Marie-Hélène Degrave, Nicolas Barbezier, Joris Michiels
26. **Highlighting of the quality of chestnut tannins to improve piglet performances**, **Charline Richard-Dazeur**, Philippe Jacolot, Marine De Koninck, Marie-Hélène Degrave, Nelly Badalato, Joris Michiels, Nicolas Barbezier, Céline Niquet-Léridon, Pauline M Anton
27. **Effect of a patented combination of plants on the intestinal sensitivity and zootechnical performances of weaned piglets**, **Alice Monjousté**, Pauline Pourtau-Tilly, Emmanuel Janvier, Arnaud Samson
28. **Effects of a phytogenic feed ingredient on the reproductive performance of sows and the growth performance of suckling piglets**, **Alvaro Ortiz Garcia**, Balu Chandar Jayaraman, Mathieu Lepoudere, Maria Mendoza, John Khtoo

29. **Effects of *Tenebrio molitor* larva incorporation in the piglet diet**, *Didier Gaudré*, Manon Jaubert, Rémi Chausse, Castellano Rosa, Paul Barneron
30. **Effects of increasing cooked to total cereal ratio on performance of weaned piglets**, *Noémie Lemoine*, Antoine Rault, David Brillouet, David Guillou
31. **Nutritional strategies to reduce the inorganic phosphate level while improving performance and maintaining optimal bone mineralisation**, *Tristan Brehelin*, Cécile Rougier-Borne, Xavière Rousseau, Gustavo Cordero
32. **Influence of a combination of phytase and formic acid on the performance of piglets and growing pigs and on phosphorus use**, *Pascal Leterme*, Georg Dusel, Katharina Schuh-von Graevenitz, Dieter Feuerstein, Julia Trautwein
33. **Evaluation of the incorporation of a bacterial xylanase into wheat or barley diets on the performance and feeding behavior of piglets**, *Maxime Traineau*, Justine Danel, Maria Vilarino, Stéphane Benaben, Emmanuel Landeau
34. **Impact of zinc and copper intake on their digestibility in weaning piglets, with or without xylanase and protease supplementation**, *Mohamed Ali Ketata*, Marie-Pierre Létourneau-Montminy, Frédéric Guay
35. **Effects of reduced dietary copper and zinc supplementation on the growth performance and mineral status of fattening pigs**, *Emma Gourlez*, Jean-Yves Dourmad, Fabrice Beline, Alessandra Monteiro, Anne Boudon, Agnès Narcy, Patrick Schlegel, Francine de Quelen
36. **Mitigation strategies to combat the damaging combinatorial effects of Deoxynivalenol and Zearalenone in porcine intestinal cells**, *Asmita Thapa*, Blanaid White, Dermot Walls, Karina Horgan
37. **Nutritional value of hybrid ryes for pig feed**, *Maria Vilarino*, Maxime Traineau, Justine Danel, Vincent Debever
38. **Detection of unrecorded environmental disturbances using feed intake data on growing pigs**, *Carolina Garcia Baccino*, Aurélie Le Dréau, Bruno Ligonesche
39. **Study of the carcass quality of individually fed pigs**, *Laura Derouet*, Arnaud Buchet, Quentin Ropert, Matthieu Cornic, Damien Monsimert, Audrey Gloux
40. **Prediction of the nutritional requirements of gestating sows using sensor data and machine-learning algorithms**, *Maëva Durand*, Christine Largouët, Louis Bonneau de Beaufort, Jean-Yves Dourmad, Charlotte Gaillard
41. **Use of a clay and algae-based decontaminant on sows naturally exposed to mycotoxins in gestation and lactation**, *Marie Gallissot*, Jeremy Perez, Eric Parr, Michael Welch, Maria Angeles Rodriguez
42. **The source of dietary trace minerals influences the prevalence of postpartum dysgalactia syndrome, backfat mobilization and therapeutic interventions in sows exposed to high ambient temperatures**, *Christof Rapp*, Maria José Carrion, Antonio Vargas, José Joaquín Cerón, Damián Escibano, Marianne Kaiser
43. **Prediction of dietary phosphorus and calcium absorption in lactating sows**, *Julien Heurtault*, Patrick Schlegel, Marie-Pierre Létourneau-Montminy
44. **Determination of mineral content and bone turnover markers in pregnant sow urine collected using vaginal tampons**, *Clément Ribas*, Nathalie Quiniou, Charlotte Gaillard
45. **Evaluation of a combination of feed additives on the production and quality of colostrum in sows and on the performance of their suckling piglets**, *Emmanuel Janvier*, Fabien Guillard, Eric Schetelat, Arnaud Samson

6:30-8:30 : Cocktail Reception

9:00-10:30 Animal Welfare, Breeding and Husbandry (part. 1)

Chairman: Céline Tallet, INRAE

Oral Interventions

1. **Pen design, animal management and working conditions on farms with temporary crating pens**, *Nicolas Villain*, Valérie Courboulay, Aude Dubois, Lise Leroux, Alexandre Poissonnet, Yannick Ramonet
2. **From group discussions to immersion in co-constructed pig farm buildings that are innovative in terms of animal health and welfare**, *Morgane Leroux*, Frédéric Kergourlay, Yvonnick Rousselière, Olivier Girma
3. **Study of the attractiveness and longevity of enrichment materials and wood species in a blocked farrowing house and a large gestation group setting**, *Alexandre Poissonnet*, Louissette Parra-Sourdeau, Valérie Courboulay
4. **Effect of different sizes and types of farrowing crates on lactating sows and piglets**, *Gabrielle Dumas* and Sébastien Turcotte
5. **Can tear staining and skin lesions be used to assess pig welfare?**, *Armande Dupuis*, Christelle Fablet, Florent Eono, Éric Eveno, Gilles Poulain, Gaëlane Raux, Gaëlle Simon, Nicolas Rose, Séverine Parois
6. **Pre-farrowing factors associated with sow lifetime performances**, *Pierre Levrard*, Vivien Samson, Bastien Riera, Yohan Piel, Mathieu Gloaguen, Arnaud Buchet

10:30–11:15 Posters session and coffee break

11:15–12:45 Animal Welfare, Breeding and Husbandry (part. 2)

Oral Interventions

7. **Backfat thickness of gilts at first farrowing: a key point to improve longevity**, *Charlotte Teixeira Costa*, Céline Chevance, Théo Nicolazo, Justine Jeusselin, Céline Chevance, Valérie Normand, Mathieu Brissonnier, Gwenaël Boulbria, Arnaud Lebert
8. **Pre-weaning survival is related to the tympanic temperature of piglets of low and normal birthweights**, *Sylviane Boulot*, Alexia Aubry, Solène Honor
9. **Surveys in farms and pig industry specialists on socialisation of suckling piglets: method, advantages and disadvantages**, *Camille Gérard*, Nicolas Kolytcheff, Claudie Guyomarc'h, Estelle Kerguillec
10. **Evaluation of effects of early socialisation on pig growth, health and welfare**, *Solenn Gavaud*, Cyrielle Perrier, Alexis Nalovic, Julie Lion, Anissa Jahoui, Dominique Marchand, Catherine Belloc, Blandine Lieubeau, Julie Hervé
11. **Impact of vaccination against GnRH on growth performance and meat quality of gilts intended for market**, *Nathalie Quiniou*, Patrick Chevillon, Frédéric Colin
12. **Characterization of an in vitro model of sperm storage in pigs: towards a better prediction of boar fertility?**, *Lorraine Schmaltz*, Isabelle Mérou, Pascal Mermillod, Marie Saint-Dizier

Posters

13. **Assessment of the prevalence of Swine Inflammation and Necrosis Syndrome in French pig herds**, *Hervé Fortune*, Sandy Micout, Alice Monjousté
14. **Myeloperoxidase activity as a non-invasive marker in pigs to identify intestinal inflammatory processes beyond the weaning period**, *Sergi López-Vergé*, Jose J. Pastor, Raúl D. Guevara, Pol Llonch, Gemma Tedo
15. **Potential of RFID UHF technology to determine occupancy rates of living areas for growing pigs in a novel concept of open housing**, *Yvonnick Rousselière*, Audrey Gloux, Johan Thomas, Damien Monsimert, Mathilde Radek, Sophie Ambrois
16. **Feasibility study of image-based weighing of growing-finishing pigs**, *Pierre Chatelain*, Aurélien Yol, Yvonnick Rousselière, Johan Thomas
17. **Study of the attractiveness and longevity of enrichment materials and wood species in a blocked farrowing house and a large gestation group setting**, *Alexandre Poissonnet*, Didier Coulmier, Valérie Courboulay
18. **Study of social behaviour in relation to the emergence of tail biting by farmed pigs**, *Caroline Rebillard*, Noémie Ory, Tiphaine Potiron
19. **Effect of diet and management practices of entire males on the prevalence of undesirable odours in pork: a case study on production farms**, *Maëli Brunon*, Eric Pagot, Mireille Peuziat, Mathilde Venet, Baptiste Legaud

20. **Effect of adding lucerne to the diet and additional straw bedding on the welfare of pigs and the risk of boar taint in organic farming**, *Alexandre Poissonnet*, Valérie Courboulay, G  rald Huet, Didier Gaudr  
21. **Study of the acceptability of pig immunocastration to French consumers**, *Morgane Leroux*, C  line Tallet, Anne Hemonic
22. **Carcass characteristics and boar taint in entire male pigs from organic farms**, *Sarah Lombard*, Florence Maupertuis, Antoine Roinsard, Armelle Prunier
23. **Effect of the follicular puncture method on in vitro maturation of porcine oocytes**, *Victoria Slezec- Frick*, Guillaume Lenoir, Loris Commin, L  a Bravi, Harmonie Lamarque, Pierre Bruy  re, Thierry Joly, Samuel Buff
24. **Chasteberry fruits and walnut leaves contain phytoprogestins and could be considered as an alternative to synthetic progestogens for synchronising the oestrus of gilts**, *Gh  l  ne Goudet*, Philippe Chemineau, Philippe Li  re, Anne-Lyse Lain  , Marie-Laure Greil, Marine Delmas, Thibaut Chabrilat St  phane Ferchaud
25. **A sanitary envelope to avoid the need to clean sow vulvas before insemination**, *Marion Bervas*, Isabelle M  rour, Romain Brard, Garance Chatain, Justine Abarnou, Valentine Marre
26. **Can a single-dose insemination reduce prolificacy and piglet mortality in organic farming?**, *St  phane Ferchaud*, Doryan Grivault, St  phane Moreau, Jean-Pierre Bidanel
27. **Pre-weaning survival is related to the tympanic temperature of piglets of low and normal birthweights**, *Sylviane Boulot* and Gwendoline Herv  
28. **Socialising piglets in organic farming**, *St  phane Ferchaud*, Nicolas Kolytcheff, St  phane Moreau, Tony Terrasson, Gr  gory Khelifi, Julie Herv  
29. **In-depth analysis of piglet mortality on a farm with alternative free-farrowing housing**, *Sylviane Boulot*, Sophie Ambrois, Mathilde Radek
30. **Supporting the reproductive performance of sows from farrowing**, *Florian Moreau*, Marion Bervas, Julien Redor, Yann Wache, Jean-Marc Beno  st
31. **Influence of backfat thickness on the farrowing performance of sows**, *Charlotte Teixeira Costa*, C  line Chevance, Th  o Nicolazo, Justine Jeusselin, Val  rie Normand, Mathieu Brissonnier, Gwen   l Boulbria, Arnaud Lebre  t
32. **Supervised machine learning as a tool to improve farrowing monitoring and stillborn rate in sows**, *Charlotte Teixeira Costa*, Gwen   l Boulbria, Christophe Dutertre, C  line Chevance, Th  o Nicolazo, Val  rie Normand, Justine Jeusselin, Arnaud Lebre  t
33. **Body temperature variations in lactating sows: observations and relations to performance, feed intake and blood parameters**, *Paul Cou  llan*, Am  lie Gilet, Anne Durand, Thierry Solignac
34. **Behaviour of free sows in a temporary crating pens equipped with multiple types of flooring**, *Nicolas Villain* and Yannick Ramonet
35. **Effects of three pens for lactating sows on parturition, lactation and activity at the time of release**, *Val  rie Courboulay*, Valentine Glevarec, Sylviane Boulot
36. **Impact of a 3- or 4-week lactation on performances of sows and their progeny over their 10 first weeks of life**, *Nathalie Quiniou*, Didier Gaudr  , Isabelle Corr  g  
37. **Comparison of methods for estimating the activity level of pregnant sows from video recordings**, *Manon de la Bourdonnaye*, Charlotte Gaillard
38. **Effects of using a sound signal as a call to feeding on the behaviour and welfare of pregnant sows**, *Anna Blanc*, Cl  mentine Dero  n  , Caroline Clouard, Charlotte Gaillard
39. **Monitoring the welfare of sows during pregnancy and lactation in a new alternative farming model**, *Alexandre Poissonnet*, Sophie Ambrois, Sylviane Boulot, Val  rie Courboulay
40. **Development of a decision support tool to optimize farmers' choices in selecting sows for self-renewal**, *Vivien Samson*, Bastien Riera, Yohan Piel, Arnaud Buchet
41. **Study of the main obstacles to and mechanisms for conversion to and installation of organic farming on French pig farms from farmers' viewpoints**, *C  cile MD Bonnefont*, Clara Chastagner, Laura Terzic, Nina Usai, Agathe Vaille, Justine Faure, Lucile Montagne, Florence Maupertuis, St  phane Ferchaud, Alain Ducos
42. **Compromising biosecurity? Dynamic changes in Corsican free-range pig breeding systems under new health constraints**, *Bastien Trabucco*, Fran  ois Casabianca, Fran  ois Charrier, Marie Gisclard

12:45- 2:15 – Buffet Lunch

2:15-3:30 Economics and Sociology

Chairman: **Simon Fourdin**, ITAVI

Oral Interventions

1. **Impact of using two passive trunk-supporting exoskeletons on working conditions during piglet vaccination**, **Caroline Depoudent**, Marie Rannou, Isabelle Crenn, Claudie Guyomarc'h, Alexandre Girault
2. **The influence of societal issues on farmers' perceptions of their profession and change**, **Elsa Delanoue**, Manon Fuselier, Caroline Depoudent, Morgane Mélan, Clémence Vermot-Fèvre, Coralie Zielinski, Anna Boucard, Agathe Dornier, Tyfenn Ogel, Eloïse Gauquelin
3. **Pig farmers and the evolution of farm buildings: a typology of different points of view**, **Jeanne Cottet**, Yvonnick Rousselière, Elsa Delanoue
4. **Evolution of costs of pig buildings from 2015 to 2021 and 2023**, **Yvonnick Rousselière**
5. **Impact of the EGalim I Law on the promotion of pork products in France**, **Valérie Diet**

Posters

6. **Perception of oral vaccination against E. coli F4/F18: survey of 52 pig-producer users in France**, **Sophie Vignerot**, Bernard Fily, Vincent Burlot
7. **Perception of Rennes students of a new generation of multi-criteria pig buildings?**, **Emily Burck**, Etienne Cornu, Charlotte Derbecq, Emilie Josse, Alice Petiteau, Rosalie Planteau du Maroussem, Yvonnick Rousselière, Lucile Montagne

3:30–4:30 Environment

Chairman: **Jonathan Hercule**, CITEPA

Oral Interventions orales

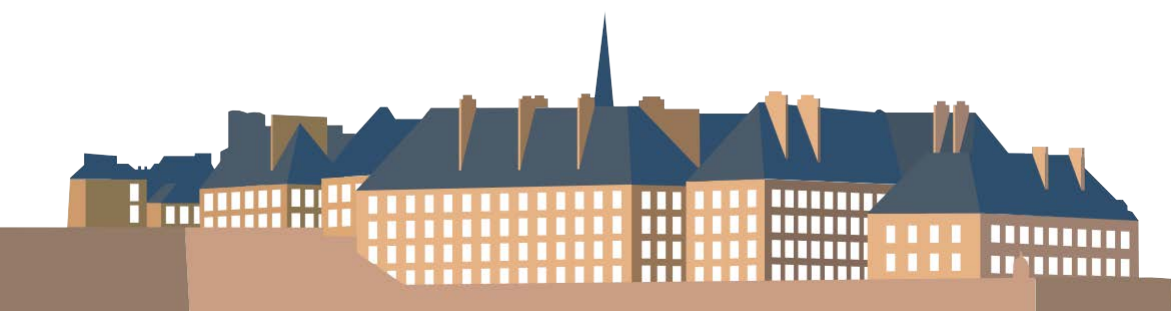
1. **Reducing ambient temperature to reduce NH3, N2O and CH4 emissions from a fattening piggery**, **Nadine Guingand**, Yvonnick Rousselière, Johan Thomas, Aurélien Collin
2. **Effects of incorporating 0.5 % benzoic acid in the diet of fattening pigs on zootechnical performance and ammonia and greenhouse gas emissions**, **Solène Lagadec**, Constance Drique, Khaled Amin, Nicolas Kolytcheff, Laurent Roger, Daniel Planchenault, Sébastien Potot, Estefania Perez-Calvo
3. **Zootechnical performance of fattening pigs and ammonia emissions and greenhouse gases: effect of a selected natural micro-organism complex added to slurry in pig housing**, **Solène Lagadec**, Khaled Amin, Nicolas Kolytcheff, Valentin Gardie, Mickael Travers, Alexandre Martin, Paul Robin
4. **Characterization of Cu and Zn flows along the feed – animal – excreta – waste continuum in pig systems**, **Emma Gourlez**, Fabrice Beline, Jean-Yves Dourmad, Alessandra Monteiro, Fabrice Guiziou, Anne Le Bihan, Francine de Quelen

Posters

5. **Conception d'un module thermorégulé pour l'étude de l'influence de la température sur les performances zootechniques et environnementales de porcs à l'engraissement**, **Nadine Guingand**, Yvonnick Rousselière, Johan Thomas, Aurélien Collin
6. **Comparison of three methods for rapid measurement of ammonia concentration in pig-fattening housing**, **Nadine Guingand**, Romain Dubreuil, Rachid Mouflih
7. **Assessment of the effectiveness of biofiltration in reducing ammonia and greenhouse gas emissions**, **Khaled Amin**, Solène Lagadec, Nicolas Kolytcheff, Claude Cochet
8. **Evaluation of different nutritional additives for reducing the environmental footprint of pig production using life cycle analysis**, **Nicolò Braconi**, Björn Kok, Hans Blonk, Henk Bosch, Sabine Van Cauwenberghe, Charlotte Vallière, Daniel Planchenault
9. **Development of a mobile pilot plant for converting pig manure into nitrogen fertiliser**, **Mariana Moreira**, Nicolas Thevenin, Lionel Ruidavets, Clément Munier, Pierre-Baptiste Blanchant, Matthieu Preudhomme

4:30 Closing of the congress

Michel Marcon, IFIP



How do I register for the 56th JRP?

I would like to register for the 56th Journées de la Recherche Porcine, on Tuesday, February 6 and Wednesday, February 7, 2024, and pay the fees (access to the 2 days, collection of papers, lunches, breaks, aperitif cocktail on Tuesday evening, 6/02):

460 € incl. VAT for registration before January 9, 2024 / 520 € incl. VAT for registration after January 9, 2024.

I have noted that by registering before January 9, 2024, I benefit from the preferential rate of 460 € incl. VAT (instead of 520 € incl. VAT).

I am a :

- Speaker or exhibitor or INRAE, student (work, lunches, breaks and cocktails) : Tuesday €65 / Wednesday €45 / 2 days €85

- Session chairman, Organizing and Support Committee, IFIP employee: free of charge

Mode de règlement

- BY BANK TRANSFER: CA ILLE ET VILAINE N° 1360 6000 5346 3261 2939 931
- by credit card Visa - Eurocard/Mastercard

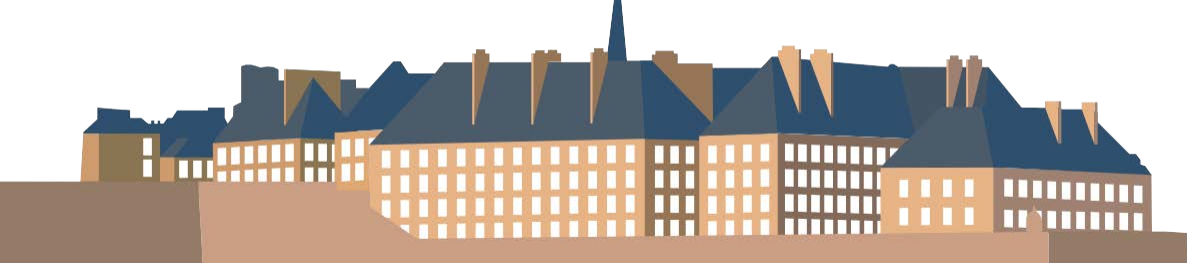
Possibility of SECURE PAYMENT VIA OUR WEBSITE when registering online...

Contact by mail:
jrp@ifip.asso.fr

Comité
de soutien

56^{èmes} Journées
de la Recherche
Porcine





How to get to Journées de la Recherche Porcine



Palais du Grand Large

Centre de Congrès

1 quai Dug y-Trouin, 35400 Saint Malo

tél 02 99 20 60 20

By Train:

2h15 from Paris

TGV station 5 minutes by bus or 20 min

Rennes airport:

50 min. away (1 h
from Paris)

By Car: 1 hour from

Rennes, 2 hours from Nantes and 4 hours from Paris
1,160 parking spaces around the Palais



[your itinerary : click](#)

[Map of Saint Malo : click](#)

[Hotels: click](#)



Event : 56èmes JOURNÉES DE LA RECHERCHE PORCINE

Code Identifiant : 40904AF

Valid for travel from 30/01/2024 to 14/02/2024 Event venue : Rennes, France

Discounts on a wide range of public fares on all Air France and KLM flights, up to -15% on our international routes, as well as preferential sales and after-sales conditions on routes in mainland France (including Corsica).

Log on to the event website or directly to

<https://globalmeetings.airfranceklm.com/Search/promoDefault.aspx?vendor=AFR&promocode=40904AF>

To obtain preferential fares* - make your reservation, - issue your electronic ticket** - and choose your seat on board*.

If you book via the AIR FRANCE & KLM Global Meetings website, a receipt will be attached to your e-ticket. If you prefer to process your reservation and ticket purchase through an AIR FRANCE KLM sales outlet, or an authorized travel agency, you must keep this document to justify the application of preferential fares. Make sure you have one or other of these documents, depending on how you booked your flight, as you may be asked for it at any time during your trip.