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## Research output

### **The profile of steroid hormones in human fetal and adult ovaries**

Vazakidou, P., Evangelista, S., Li, T., Lecante, L. L., Rosenberg, K., Koekkoek, J., Salumets, A., Velthut-Meikas, A., Damdimopoulou, P., Mazaud-Guittot, S., Fowler, P. A., Leonards, P. E. G. & van Duursen, M. B. M., Dec 2024, In: *Reproductive Biology and Endocrinology*. 22, 14 p., 60.

### **In utero exposures to perfluoroalkyl substances and the human fetal liver metabolome in Scotland: a cross-sectional study**

Hyötyläinen, T. (Corresponding Author), McGlinchey, A., Salihovic, S., Schubert, A., Douglas, A., Hay, D. C., O'Shaughnessy, P. J., Iredale, J. P., Shaw, S., Fowler, P. A. (Corresponding Author) & Orešič, M. (Corresponding Author), Jan 2024, In: *The Lancet Planetary Health*. 8, 1, p. e5-e17 13 p.

### **Maternal exposure to ambient black carbon particles and their presence in maternal and fetal circulation and organs: an analysis of two independent population-based observational studies**

Bongaerts, E., Lecante, L. L., Bové, H., Roeffaers, M. B. J., Ameloot, M., Fowler, P. A. & Nawrot, T. S. (Corresponding Author), 5 Oct 2022, In: *The lancet. Planetary health*. 6, 10, p. e804-e811 8 p.

### **P06-20 Characterisation of the effects of Ketoconazole and Diethylstilbestrol on the human fetal adrenal**

Lecante, L. L., Lelandais, P., Mazaud-Guittot, S. & Fowler, P. A., 1 Sept 2022, In: *Toxicology Letters*. 368, Supplement 1, p. S120 1 p.

### **Exposure to a Human Relevant Mixture of Persistent Organic Pollutants or to Perfluorooctane Sulfonic Acid Alone Dysregulates the Developing Cerebellum of Chicken Embryo**

Yadav, A. (Corresponding Author), Verhaegen, S., Filis, P., Domanska, D., Lyle, R., Sundaram, A. Y. M., Leithaug, M., Østby, G. C., Aleksandersen, M., Berntsen, H. F., Zimmer, K. E., Fowler, P., Paulsen, R. E. & Ropstad, E., 1 Aug 2022, In: *Environment International*. 166, 13 p., 107379.

### **BPA disrupts meiosis I in oögonia by acting on pathways including cell cycle regulation, meiosis initiation and spindle assembly**

Loup, B., Pomerol, E., Jouneau, L., Fowler, P. A., Cotinot, C. & Mandon-Pepin, B., Aug 2022, In: *Reproductive Toxicology*. 111, p. 166-177 11 p.

### **Hepatic mitochondrial dysfunction and risk of liver disease in an ovine model of 'PCOS males**

Siemienowicz, K. J. (Corresponding Author), Filis, P., Thomas, J., Fowler, P. A., Colin Duncan, W. & Rae, M. T., 31 May 2022, In: *Biomedicine*. 10, 6, 22 p., 1291.

### **Maternal over-the-counter analgesics use during pregnancy and adverse perinatal outcomes: Cohort study of 151,141 singleton pregnancies**

Zafeiri, A., Raja, E. A., Mitchell, R. T., Hay, D. C., Bhattacharya, S. & Fowler, P., 3 May 2022, In: *BMJ Open*. 12, 5, 27 p., e048092.

### **Ovine fetal testis stage-specific sensitivity to environmental chemical mixtures**

Lea, R. (Corresponding Author), Mandon-Pepin, B., Loup, B., Pomerol, E., Jouneau, L., F Egbowon, B., Bowden, A., Cotinot, C., Purdie, L., Zhang, Z., Fowler, P. & Sinclair, K., 3 Feb 2022, In: *Reproduction*. 163, 2, p. 119-131 13 p.

### **Maternal over-the-counter analgesics use during pregnancy and adverse perinatal outcomes: cohort study of 151,141 singleton pregnancies**

Zafeiri, A., Raja, E. A., Hay, D. C., Mitchell, R. T., Bhattacharya, S. & Fowler, P. A., 6 Aug 2021, In: *Human Reproduction*. 36, S1, p. 469-469 1 p.

**Scientific Opinion on Flavouring Group Evaluation 203, Revision 2 (FGE.203Rev2):  $\alpha,\beta$ -unsaturated aliphatic aldehydes and precursors from chemical subgroup 1.1.4 of FGE.19 with two or more conjugated double-bonds and with or without additional non-conjugated double-bonds**

Silano, V., Bolognesi, C., Castle, L., Chipman, K., Cravedi, J.-P., Engel, K.-H., Fowler, P., Franz, R., Grob, K., Husøy, T., Kärenlampi, S., Mennes, W., Milana, M. R., Pfaff, K., Riviere, G., Srinivasan, J., Tavares Poças, M. D. F., Tlustos, C., Wölfle, D. & Zorn, H. & 8 others, Binderup, M.-L., Marcon, F., Marzin, D., Mosesso, P., Anastassiadou, M., Carfi, M., Gürtler, R. & EFSA Panel on Food Contact Materials, Enzymes, Flavourings and Processing Aids (CEF), 20 Jul 2021, EFSA Journal, 16, 7, p. e05322 39 p.

**Six Decades of Research on Human Fetal Gonadal Steroids**

Connan-Perrot, S., Léger, T., Lelandais, P., Desdoits-Lethimonier, C., David, A., Fowler, P. A. & Mazaud-Guittot, S., 1 Jul 2021, In: International Journal of Molecular Sciences. 22, 13, 32 p., 6681.

**The mammalian ovary: Concerns about evaluation of prenatal environmental exposures**

Lecante, L., Lelandais, P., Mazaud Guittot, S. & Fowler, P. A. F. (Corresponding Author), 30 Jun 2021, In: Current Opinion in Endocrine and Metabolic Research. 18, p. 171-177 7 p.

**Safety assessment of titanium dioxide (E171) as a food additive**

Younes, M., Aquilina, G., Castle, L., Engel, K.-H., Fowler, P., Frutos Fernandez, M. J., Fürst, P., Gundert-Remy, U., Gürtler, R., Husøy, T., Manco, M., Mennes, W., Moldeus, P., Passamonti, S., Shah, R., Waalkens-Berendsen, I., Wölfle, D., Corsini, E., Cubadda, F. & De Groot, D. & 30 others, FitzGerald, R., Gunnare, S., Gutleb, A. C., Mast, J., Mortensen, A., Oomen, A., Piersma, A., Plichta, V., Ulbrich, B., Van Loveren, H., Benford, D., Bignami, M., Bolognesi, C., Crebelli, R., Dusinska, M., Marcon, F., Nielsen, E., Schlatter, J., Vleminckx, C., Barmaz, S., Carfi, M., Civitella, C., Giarola, A., Rincon, A. M., Serafimova, R., Smeraldi, C., Tarazona, J., Tard, A., Wright, M. & EFSA Panel on Food Additives and Flavourings (FAF), 6 May 2021, In: EFSA Journal. 19, 5, 130 p., e06585.

**Pubertal FGF21 deficit is central in the metabolic pathophysiology of an ovine model of polycystic ovary syndrome**

Siemienowicz, K. J. (Corresponding Author), Furmanska, K., Filis, P., Talia, C., Thomas, J., Fowler, P. A., Rae, M. T. & Colin Duncan, W., 5 Apr 2021, In: Molecular and Cellular Endocrinology. 525, 12 p., 111196.

**Scientific Guidance for the preparation of applications on smoke flavouring primary products**

Younes, M., Aquilina, G., Castle, L., Fowler, P., Frutos Fernandez, M. J., Fürst, P., Gundert-Remy, U., Gürtler, R., Husøy, T., Manco, M., Mennes, W., Moldeus, P., Passamonti, S., Shah, R., Waalkens-Berendsen, I., Wölfle, D., Wright, M., Benigni, R., Bolognesi, C. & Boon, P. & 11 others, Chipman, K., De Knecht, J., Sahlin, U., Arcella, D., Barmaz, S., Carfi, M., Martino, C., Tard, A., Vianello, G., Engel, K.-H. & EFSA Panel on Food Additives and Flavourings (FAF), Mar 2021, EFSA Journal, 19, 3 40 p.

**Scientific Opinion on Flavouring Group Evaluation 13 Revision 3 (FGE.13Rev3): furfuryl and furan derivatives with and without additional side-chain substituents and heteroatoms from chemical group 14**

Younes, M., Aquilina, G., Castle, L., Engel, K.-H., Fowler, P., Frutos Fernandez, M. J., Fürst, P., Gundert-Remy, U., Gürtler, R., Husøy, T., Manco, M., Moldeus, P., Passamonti, S., Shah, R., Waalkens-Berendsen, I., Wölfle, D., Wright, M., Benigni, R., Bolognesi, C. & Chipman, K. & 8 others, Cordelli, E., Degen, G., Marzin, D., Svendsen, C., Carfi, M., Vianello, G., Mennes, W. & EFSA Panel on Food Additives and Flavourings (FAF), Feb 2021, EFSA Journal, 19, 2, p. e06386 61 p.

**Scientific Opinion on Flavouring Group Evaluation 67, Revision 3 (FGE.67Rev3): consideration of 23 furan-substituted compounds evaluated by JECFA at the 55th, 65th, 69th and 86th meetings**

Younes, M., Aquilina, G., Castle, L., Engel, K.-H., Fowler, P., Frutos Fernandez, M. J., Fürst, P., Gundert-Remy, U., Gürtler, R., Husøy, T., Manco, M., Moldeus, P., Passamonti, S., Shah, R., Waalkens-Berendsen, I., Wölfle, D., Wright, M., Benigni, R., Bolognesi, C. & Chipman, K. & 8 others, Cordelli, E., Degen, G., Marzin, D., Svendsen, C., Carfi, M., Vianello, G., Mennes, W. & EFSA Panel on Food Additives and Flavourings (FAF), Feb 2021, EFSA Journal, 19, 2, p. e06362 83 p.

**The insulin-like growth factor system: a target for endocrine disruptors?**

Talia, C., Connolly, L. & Fowler, P. A. (Corresponding Author), Feb 2021, In: Environment International. 147, 16 p., 106311.

**Over-the-counter analgesics during pregnancy: a comprehensive review of global prevalence and offspring safety**  
Zafeiri, A. (Corresponding Author), Mitchell, R. T., Hay, D. C. & Fowler, P. A., 31 Jan 2021, In: Human Reproduction Update. 27, 1, p. 67–95 29 p.

**Opinion on the re-evaluation of pectin (E 440i) and amidated pectin (E 440ii) as food additives in foods for infants below 16 weeks of age and follow-up of their re-evaluation as food additives for uses in foods for all population groups**

EFSA Panel on Food Additives and Flavourings (FAF), Younes, M., Aquilina, G., Castle, L., Engel, K.-H., Fowler, P., Frutos Fernandez, M. J., Fürst, P., Gürtler, R., Husøy, T., Manco, M., Mennes, W., Moldeus, P., Passamonti, S., Shah, R., Waalkens-Berendsen, I., Wölfle, D., Wright, M., Dusemund, B. & Mortensen, A. & 5 others, Turck, D., Barmaz, S., Tard, A., Vianello, G. & Gundert-Remy, U., 29 Jan 2021, In: EFSA Journal. 19, 1, 57 p., e06387.

**Re-evaluation of polydextrose (E 1200) as a food additive**

Younes, M., Aquilina, G., Castle, L., Engel, K.-H., Fowler, P., Fürst, P., Gürtler, R., Gundert-Remy, U., Husøy, T., Manco, M., Mennes, W., Moldeus, P., Passamonti, S., Shah, R., Waalkens-Berendsen, D. H., Wölfle, D., Boon, P., Crebelli, R., Domenico, A. D. & Filipič, M. & 10 others, Mortensen, A., Woutersen, R., Loveren, H. V., Giarola, A., Lodi, F., Rincon, A. M., Tard, A., Fernandez, M. J. F., Wright, M. & EFSA Panel on Food Additives and Flavourings (FAF), Jan 2021, EFSA Journal, 19, 1, p. e06363 46 p.

**Early pregnancy maternal progesterone administration alters pituitary and testis function and steroid profile in male fetuses**

Siemienowicz, K. (Corresponding Author), Wang, Y., Marečková, M., NioKobayash, J., Fowler, P. A., Rae, M. T. & Colin Duncan, W., 14 Dec 2020, In: Scientific Reports. 10, 12 p., 21920.

**Genome-wide expression changes induced by bisphenol A, F and S in human stem cell derived hepatocyte-like cells**

Lucendo-Villarin, B., Nell, P., Hellwig, B., Filis, P., Feuerborn, D., O'Shaughnessy, P. J., Godoy, P., Rahnenführer, J., Hengstler, J. G., Cherianidou, A., Sachinidis, A., Fowler, P. A. & Hay, D. C., Nov 2020, In: EXCLI journal. 19, p. 1459-1476 18 p.

**Opinion on the re-evaluation of lecithins (E 322) as a food additive in foods for infants below 16 weeks of age and follow-up of its re-evaluation as food additive for uses in foods for all population groups**

Younes, M., Aquilina, G., Castle, L., Engel, K.-H., Fowler, P., Frutos Fernandez, M. J., Fürst, P., Gürtler, R., Husøy, T., Manco, M., Mennes, W., Moldeus, P., Passamonti, S., Shah, R., Waalkens-Berendsen, I., Wölfle, D., Wright, M., Dusemund, B., Mortensen, A. & Turck, D. & 5 others, Barmaz, S., Tard, A., Vianello, G., Gundert-Remy, U. & EFSA Panel on Food Additives and Flavourings (FAF), Nov 2020, EFSA Journal, 18, 11, p. e06266 37 p.

**Scientific Opinion on Flavouring Group Evaluation 69, Revision 1 (FGE.69Rev1): consideration of aromatic substituted secondary alcohols, ketones and related esters evaluated by JECFA (57th meeting), structurally related to aromatic ketones from chemical group 21 evaluated by EFSA in FGE.16Rev2**

Younes, M., Aquilina, G., Castle, L., Engel, K.-H., Fowler, P., Frutos Fernandez, M. J., Fürst, P., Gundert-Remy, U., Gürtler, R., Husøy, T., Manco, M., Moldeus, P., Passamonti, S., Shah, R., Waalkens-Berendsen, I., Wölfle, D., Wright, M., Benigni, R., Bolognesi, C. & Chipman, K. & 6 others, Cordelli, E., Degen, G., Marzin, D., Svendsen, C., Mennes, W. & EFSA Panel on Food Additives and Flavourings (FAF), Nov 2020, EFSA Journal, 18, 11, p. e06265 35 p.

**Corrigendum. Testing the twin testosterone transfer hypothesis: intergenerational analysis of 317 dizygotic twins born in Aberdeen, Scotland**

Talia, C., Raja, E.-A., Bhattacharya, S. & Fowler, P. A., Oct 2020, In: Human reproduction (Oxford, England). 35, 10, p. 2401-2402 2 p.

**Putative adverse outcome pathways for female reproductive disorders to improve testing and regulation of chemicals**

Johansson, H. K. L., Damdimopoulou, P., van Duursen, M. B. M., Boberg, J., Franssen, D., de Cock, M., Jääger, K., Wagner, M., Velthut-Meikas, A., Xie, Y., Connolly, L., Lelandais, P., Mazaud Guittot, S., Salumets, A., Draskau, M. K., Filis, P., Fowler, P. A., Christiansen, S., Parent, A.-S. & Svingen, T. (Corresponding Author), Oct 2020, In: Archives of Toxicology. 94, 10, p. 3359-3379 21 p.

**Expression of the Insulin-like Growth Factor system in first and second trimester human embryonic and fetal gonads**

Mamsen, L. S. (Corresponding Author), Zafeiri, A., Bøtkjær, J. A., Rasmussen, J. H., Ernst, E., Oxvig, C., Fowler, P. A. & Andersen, C. Y., Sept 2020, In: Journal of Clinical Endocrinology and Metabolism. 105, 9, p. E3157-E3168 12 p., dgaa470.

**Opinion on the re-evaluation of starch sodium octenyl succinate (E 1450) as a food additive in foods for infants below 16 weeks of age and the follow-up of its re-evaluation as a food additive for uses in foods for all population groups**

Younes, M., Aquilina, G., Castle, L., Engel, K.-H., Fowler, P., Frutos Fernandez, M. J., Fürst, P., Gürtler, R., Husøy, T., Manco, M., Mennes, W., Moldeus, P., Passamonti, S., Shah, R., Waalkens-Berendsen, I., Wölfle, D., Wright, M., Dusemund, B., Mortensen, A. & Turck, D. & 7 others, Barmaz, S., Rincon, A. M., Smeraldi, C., Tard, A., Vianello, G., Gundert-Remy, U. & EFSA Panel on Food Additives and Flavourings (FAF), Aug 2020, EFSA Journal, 18, 8, p. e05874 60 p.

**Re-evaluation of polyvinylpyrrolidone (E 1201) and polyvinylpolypyrrolidone (E 1202) as food additives and extension of use of polyvinylpyrrolidone (E 1201)**

Younes, M., Aquilina, G., Castle, L., Engel, K.-H., Fowler, P., Fürst, P., Gürtler, R., Gundert-Remy, U., Husøy, T., Manco, M., Mennes, W., Moldeus, P., Passamonti, S., Shah, R., Waalkens-Berendsen, D. H., Wölfle, D., Wright, M., Boon, P., Crebelli, R. & Di Domenico, A. & 10 others, Filipič, M., Mortensen, A., Woutersen, R., Van Loveren, H., Giarola, A., Lodi, F., Rincon, A. M., Tard, A., Frutos Fernandez, M. J. & EFSA Panel on Food Additives and Flavourings (FAF), Aug 2020, EFSA Journal, 18, 8, p. e06215 43 p.

**Testing the twin testosterone transfer hypothesis: Intergenerational analysis of 317 dizygotic twins born in Aberdeen, Scotland**

Talia, C., Raja, E.-A., Bhattacharya, S. & Fowler, P. A., 31 Jul 2020, In: Human Reproduction. 35, 7, p. 1702-1710 9 p.

**Opinion on the re-evaluation of ascorbyl palmitate (E 304i) as a food additive in foods for infants below 16 weeks of age and the follow-up of its re-evaluation as a food additive for uses in foods for all population groups**

Younes, M., Aquilina, G., Castle, L., Engel, K.-H., Fowler, P., Frutos Fernandez, M. J., Fürst, P., Gürtler, R., Husøy, T., Manco, M., Mennes, W., Moldeus, P., Passamonti, S., Shah, R., Waalkens-Berendsen, I., Wölfle, D., Wright, M., Dusemund, B., Mortensen, A. & Turck, D. & 7 others, Barmaz, S., Smeraldi, C., Tard, A., Vianello, G., Rincon, A. M., Gundert-Remy, U. & EFSA Panel on Food Additives and Flavourings (FAF), Jun 2020, EFSA Journal, 18, 6, p. e06153 37 p.

**Re-evaluation of sodium aluminium silicate (E 554) and potassium aluminium silicate (E 555) as food additives**

Younes, M., Aquilina, G., Castle, L., Engel, K.-H., Fowler, P., Frutos Fernandez, M. J., Fürst, P., Gürtler, R., Gundert-Remy, U., Husøy, T., Manco, M., Mennes, W., Passamonti, S., Shah, R., Waalkens-Berendsen, D. H., Wölfle, D., Wright, M., Boon, P., Tobback, P. & Rincon, A. M. & 3 others, Tard, A., Moldeus, P. & EFSA Panel on Food Additives and Flavourings (FAF), Jun 2020, EFSA Journal, 18, 6, p. e06152 27 p.

**Scientific Opinion on Flavouring Group Evaluation 91, Revision 3 (FGE.91Rev3): consideration of aliphatic, aromatic and  $\alpha,\beta$ -unsaturated sulfides and thiols evaluated by JECFA (53rd, 61st, 68th and 76th meetings), structurally related to substances in FGE.08Rev5**

Younes, M., Aquilina, G., Castle, L., Engel, K.-H., Fowler, P., Frutos Fernandez, M. J., Fürst, P., Gundert-Remy, U., Gürtler, R., Husøy, T., Manco, M., Moldeus, P., Oskarsson, A., Passamonti, S., Shah, R., Waalkens-Berendsen, I., Wölfle, D., Wright, M., Benigni, R. & Bolognesi, C. & 8 others, Chipman, K., Cordelli, E., Degen, G., Marzin, D., Svendsen, C., Vianello, G., Mennes, W. & EFSA Panel on Food Additives and Flavourings (FAF), Jun 2020, EFSA Journal, 18, 6, p. e06154 49 p.

**Dynamics of the transcriptional landscape during human fetal testis and ovary development**

Lecluze, E., Rolland, A. D., Filis, P., Evrard, B., Leverrier-Penna, S., Ben Maamar, M., Coiffec, I., Lavoué, V., Fowler, P. A., Mazaud Guittot, S., Jégou, B. & Chalmel, F. (Corresponding Author), May 2020, In: Human Reproduction. 35, 5, p. 1099-1119 21 p.

**Re-evaluation of dimethyl polysiloxane (E 900) as a food additive**

Younes, M., Aquilina, G., Castle, L., Engel, K.-H., Fowler, P., Frutos Fernandez, M. J., Fürst, P., Gürtler, R., Gundert-Remy, U., Husøy, T., Manco, M., Mennes, W., Passamonti, S., Shah, R., Waalkens-Berendsen, D. H., Wölfle, D., Wright, M., Boon, P., Tobback, P. & Giarola, A. & 4 others, Rincon, A. M., Tard, A., Moldeus, P. & EFSA Panel on Food Additives and Flavourings (FAF), May 2020, EFSA Journal, 18, 5, p. e06107 47 p.

**Safeguarding Female Reproductive Health against Endocrine Disrupting Chemicals: The FREIA Project**

van Duursen, M. B. M., Boberg, J., Christiansen, S., Connolly, L., Damdimopoulou, P., Filis, P., Fowler, P. A., Gadella, B. M., Holte, J., Jääger, K., Johansson, H. K. L., Li, T., Mazaud-Guittot, S., Parent, A.-S., Salumets, A., Soto, A. M., Svingen, T., Velthut-Meikas, A., Wedebye, E. B. & Xie, Y. & 1 others, van den Berg, M., May 2020, In: International Journal of

Molecular Sciences. 21, 9, 13 p., 3215.

**Toward a better understanding of the effects of endocrine disrupting compounds on health: Human-relevant case studies from sheep models**

Viguié, C., Chaillou, E., Gayraud, V., Picard-Hagen, N. & Fowler, P. A., 5 Apr 2020, In: Molecular and Cellular Endocrinology. 505, 110711.

**Calretinin is a novel candidate marker for adverse ovarian effects of early life exposure to mixtures of endocrine disruptors in the rat**

Johansson, H. K. L., Svingen, T., Boberg, J., Fowler, P. A., Stead, D., Vinggaard, A. M. & Filis, P. (Corresponding Author), Apr 2020, In: Archives of Toxicology. 94, p. 1241-1250 10 p.

**Safety of a proposed amendment of the specifications for steviol glycosides (E 960) as a food additive: to expand the list of steviol glycosides to all those identified in the leaves of *Stevia Rebaudiana Bertoni***

Younes, M., Aquilina, G., Engel, K.-H., Fowler, P., Frutos Fernandez, M. J., Fürst, P., Gürtler, R., Gundert-Remy, U., Husøy, T., Manco, M., Mennes, W., Moldeus, P., Passamonti, S., Shah, R., Waalkens-Berendsen, I., Wölfle, D., Wright, M., Degen, G., Giarola, A. & Rincon, A. M. & 2 others, Castle, L. & EFSA Panel on Food Additives and Flavourings (FAF), Apr 2020, EFSA Journal, 18, 4, p. e06106 32 p.

**Testing the Twin Testosterone Transfer Hypothesis: Intergenerational Analysis of 317 Twins Born in Aberdeen, Scotland**

Talia, C., Raja, E.-A., Bhattacharya, S. & Fowler, P. A., 2 Mar 2020, In: Reproductive Sciences. 27, SUPPL 1, p. 288A 1 p., F-225.

**Re-evaluation of acetic acid, lactic acid, citric acid, tartaric acid, mono- and diacetyltartaric acid, mixed acetic and tartaric acid esters of mono- and diglycerides of fatty acids (E 472a-f) as food additives**

Younes, M., Aquilina, G., Castle, L., Engel, K.-H., Fowler, P., Frutos Fernandez, M. J., Fürst, P., Gürtler, R., Gundert-Remy, U., Husøy, T., Mennes, W., Shah, R., Waalkens-Berendsen, D. H., Wölfle, D., Boon, P., Tobback, P., Wright, M., Horvath, Z., Rincon, A. M. & Moldeus, P. & 1 others, EFSA Panel on Food Additives and Flavourings (FAF), Mar 2020, EFSA Journal, 18, 3, p. e06032 66 p.

**Re-evaluation of l(+)-tartaric acid (E 334), sodium tartrates (E 335), potassium tartrates (E 336), potassium sodium tartrate (E 337) and calcium tartrate (E 354) as food additives**

Younes, M., Aquilina, G., Castle, L., Engel, K.-H., Fowler, P., Frutos Fernandez, M. J., Fürst, P., Gürtler, R., Gundert-Remy, U., Husøy, T., Mennes, W., Shah, R., Waalkens-Berendsen, I., Wölfle, D., Boon, P., Tobback, P., Wright, M., Aguilera, J., Rincon, A. M. & Tard, A. & 2 others, Moldeus, P. & EFSA Panel on Food Additives and Flavourings (FAF), Mar 2020, EFSA Journal, 18, 3, p. e06030 58 p.

**Re-evaluation of metatartaric acid (E 353) as a food additive**

Younes, M., Aquilina, G., Castle, L., Engel, K.-H., Fowler, P., Frutos Fernandez, M. J., Fürst, P., Gürtler, R., Gundert-Remy, U., Husøy, T., Mennes, W., Shah, R., Waalkens-Berendsen, I., Wölfle, D., Boon, P., Tobback, P., Wright, M., Rincon, A. M., Tard, A. & Moldeus, P. & 1 others, EFSA Panel on Food Additives and Flavourings (FAF), Mar 2020, EFSA Journal, 18, 3, p. e06031 20 p.

**Re-evaluation of stearyl tartrate (E 483) as a food additive**

Younes, M., Aquilina, G., Castle, L., Engel, K.-H., Fowler, P., Frutos Fernandez, M. J., Fürst, P., Gürtler, R., Gundert-Remy, U., Husøy, T., Mennes, W., Shah, R., Waalkens-Berendsen, D. H., Wölfle, D., Boon, P., Tobback, P., Wright, M., Rincon, A. M., Tard, A. & Moldeus, P. & 1 others, EFSA Panel on Food Additives and Flavourings (FAF), Mar 2020, EFSA Journal, 18, 3, p. e06033 18 p.

**Scientific Opinion on Flavouring Group Evaluation 72, Revision 2 (FGE.72Rev2): consideration of aliphatic, branched-chain saturated and unsaturated alcohols, aldehydes, acids and related esters evaluated by JECFA (61st, 68th and 69th meetings) and structurally related to flavouring substances in FGE.05Rev3**

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Younes, M., Aquilina, G., Castle, L., Engel, K.-H., Fowler, P., Frutos Fernandez, M. J., Fürst, P., Gundert-Remy, U., Gürtler, R., Husøy, T., Moldeus, P., Oskarsson, A., Shah, R., Waalkens-Berendsen, I., Wölflle, D., Benigni, R., Bolognesi, C., Chipman, K., Cordelli, E. & Degen, G. & 5 others, Marzin, D., Svendsen, C., Carfi, M., Mennes, W. & EFSA Panel on Food Additives and Flavourings (FAF), Nov 2019, EFSA Journal, 17, 11, p. e05875 34 p.

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Younes, M., Aquilina, G., Engel, K.-H., Fowler, P., Frutos Fernandez, M. J., Fürst, P., Gürtler, R., Gundert-Remy, U., Husøy, T., Mennes, W., Moldeus, P., Oskarsson, A., Shah, R., Waalkens-Berendsen, I., Wölfle, D., Degen, G., Gott, D., Leblanc, J.-C., Herman, L. & Aguilera, J. & 4 others, Giarola, A., Rincon, A. M., Castle, L. & EFSA Panel on Food Additives and Flavourings (FAF), Oct 2019, EFSA Journal, 17, 10, p. e05867 19 p.

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EFSA Panel on Food Additives and Flavourings (FAF), Jul 2019, In: EFSA Journal. 17, 7, p. e05760 23 p.

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### **Scientific Opinion on Flavouring Group Evaluation 217 Revision 2 (FGE.217Rev2), consideration of genotoxic potential for $\alpha,\beta$ -unsaturated ketones and precursors from chemical subgroup 4.1 of FGE.19: lactones**

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### **Scientific Opinion of Flavouring Group Evaluation 411 (FGE.411): 2-(4-methylphenoxy)-N-(1H-pyrazol-3-yl)-N-(thiophen-2-ylmethyl)acetamide from chemical group 30 (miscellaneous substances)**

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### **Scientific Opinion on Flavouring Group Evaluation 201 Revision 2 (FGE.201Rev2): 2-alkylated, aliphatic, acyclic $\alpha,\beta$ -unsaturated aldehydes and precursors, with or without additional double-bonds, from chemical subgroup 1.1.2 of FGE.19**

Younes, M., Aquilina, G., Castle, L., Engel, K.-H., Fowler, P., Frutos Fernandez, M. J., Fürst, P., Gundert-Remy, U., Husøy, T., Mennes, W., Moldeus, P., Oskarsson, A., Rainieri, S., Shah, R., Waalkens-Berendsen, I., Wölfle, D., Binderup, M.-L., Bolognesi, C., Marcon, F. & Marzin, D. & 6 others, Mosesso, P., Anastassiadou, M., Carfi, M., Vianello, G., Gürtler, R. & EFSA Panel on Food Additives and Flavourings (FAF), 17 Oct 2018, *EFSA Journal*, 16, 10 33 p.

**In utero exposure to cigarette smoke and NAFLD pathways: Sex and age specific effects in the human fetus**

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### **The Prevalence of Helminth-Parasites from the Hedgehog *Erinaceus-Europaeus* in Great-Britain**

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## **Projects**

### **Mechanisms via which the human fetus is at risk from over-the-counter analgesics**

Fowler, P. A. F. (Academic Supervisor) & Zafeiri, A. (Student)  
1/10/17 → 31/12/21

### **THE HUMAN FETAL LIVER: DEVELOPMENTAL GENETICS AND RESPONSE TO MATERNAL DRUG USE**

Fowler, P. A. F. (Principal Investigator) & Douglas, A. (Co-Investigator)  
1/04/14 → 31/10/17

## **Activities**

### **Scientific Opinion on the risks to public health related to the presence of bisphenol A (BPA) in foodstuffs**

Fowler, P. A. F. (Participant)  
2015