

## Individual application

### Early Stage Researcher in the FOIE GRAS EU Training Network ESR 1

We are seeking to appoint an Early Stage Researcher (ESR, PhD fellow) within the [FOIE GRAS](#) European Training Network sponsored by the European Union H2020 Marie Skłodowska Curie Actions. ESR will participate in a research project aiming at identifying the clinical, metabolic and molecular abnormalities associated with Non-Alcoholic Fatty Liver Disease (NAFLD), such as early changes in mitochondrial function, biogenesis and oxidative stress, and its regulation in different stages of the disease by using animal models for NAFLD. The research will be conducted at the Nencki Institute of Experimental Biology (NENCKI), Poland, commencing in June 2017. Funding is initially available for three years and ESR is expected to be enrolled in a PhD programme.

A key objective of the FOIE GRAS network is to better understand the metabolic mechanisms and treatment behind NAFLD. The project will investigate the role of mitochondrial oxidative stress in NAFLD and the signalling pathways associated with stress responses. Multiple antioxidants with different targeting features will be used during this work. The work will be performed in both cell and animal models.

Research will include methodologies associated to the next generation of animal models for NAFLD, their characterization, as well as analyses of hepatic mitochondrial function, biogenesis, quality control mechanisms (e.g. autophagy, mitophagy) as well as general oxidative stress. The fellow will be trained in medicinal chemistry, namely in attained structural-activity-relationship studies that include chemical synthesis/purification/ characterization methods and biological data acquisition (three distinct biological models will be used to test the different mitochondrial-directed antioxidants). The post-holder will have some scope to adapt the project based on his/her interests.

The post-holder will complete a research project under the supervision of Dr. Mariusz Wieckowski at NENCKI, with additional supervision of Dr. John Jones and Dr. Paulo Oliveira at the Center for Neuroscience and Cell Biology and University of Coimbra, Portugal, and Dr. Fernanda Borges from University of Porto (UPORTO), Portugal.

The post-holder will be a member of the ETN FOIE GRAS (GA No. 722619), which comprises 10 beneficiary institutions and 4 associated partners from industry and clinical practice in 7 countries. Prospective candidates are encouraged to have a look at the other available ESR projects in the network (13 in total, see [FOIE GRAS'](#) website) and indicate up to 3 projects in order of preference in their applications.

#### Selection process

Candidates should submit a **complete application\*** in **ONE PDF** file only, by e-mail to [coordinator.etnfoiegras@cnc.uc.pt](mailto:coordinator.etnfoiegras@cnc.uc.pt). Deadline for submission is **January 28th 2017**. The criteria for evaluation will be as follows: previous experience, based on CV (70%), letter of motivation (15%) and letters of reference (15%). Knowledge of English language (written and oral) is mandatory due to the international nature of the project. The Jury may decide to interview the candidates in order to perform a more objective evaluation of some of the criteria. Final decision will be communicated no later than April 15<sup>th</sup> 2017 with the contracts expected to initiate in June 1<sup>st</sup> 2017. \*Candidates that submit multiple files will be excluded from the evaluation.

**N° of positions available: 1**

**Research fields**

Biochemistry, Biology, Biological chemistry, Biomedical sciences, Pharmacy, Bio-informatics, or related area, and are interested in multi/ interdisciplinary research.

**Career stage**

Master degree (M.Sc. or equivalent graduation). Applicant should not hold a PhD degree and must be in the first 4 years (full-time equivalent) of their research careers prior to the recruitment. This is measured from the date when they obtained the degree, which would formally entitle them to embark on a Doctorate, either in the country in which the degree was obtained or in the country in which the research training is provided, irrespective of whether or not a Doctorate is the objective.

**Research profiles**

Early Stage Researcher (R1)

**Required languages**

Proficiency of English language skills corresponding to at least level B2 on the Common European Framework of Reference for Languages.

**Benefits**

- Financial aspects: The project provides full funding for tuitions fees and salary.
- Monthly living allowance: The post-holder will be offered a salary plus allowances in line with the Marie Skłodowska-Curie Actions.

**Requirements**

- Applicants must have an undergraduate or Master degree in Biochemistry, Biology, Biological chemistry, Biomedical sciences, Pharmacy, Bio-informatics, or related area and are interested in multi/ interdisciplinary research;
- Applicants must not yet been awarded a PhD degree and must be in the first 4 years (full-time equivalent) of their research careers prior to the recruitment;
- Applicants are asked to supply a complete *curriculum vitae* including the following information:
  - Personal details academic/education history, including a list of courses/exams and grades, the exact award date (day/month/year) of the degree with original transcripts of Bachelor and Master University Degree as well as copy of valid identity documents, experimental skills, publications, etc.
  - Personal statement/motivation letter (up to 2 pages) about the research experience and interests;
  - Names and contact information of at least two academic referees who could write a letter of recommendation;
- Applicants can be of any nationality;
- Applicants must be eligible to work in Poland. They MUST NOT have resided or carried out their main activity in Poland more than 12 months in the 3 years immediately before the recruitment date.

The research project will be based at the Nencki Institute of Experimental Biology, Poland, but the post-holder will also be required to undertake some work and travel in other countries within the FOIE GRAS network.

<http://www.eracareers.pt/opportunities/index.aspx?task=global&jobId=87931>

<https://euraxess.ec.europa.eu/jobs/168908>

## Early Stage Researcher in the FOIE GRAS EU Training Network ESR 2

We are seeking to appoint an Early Stage Researcher (ESR, PhD fellow) within the [FOIE GRAS](#) European Training Network sponsored by the Marie Skłodowska Curie Actions EU Horizon 2020. ESR will participate in a research project on the Krebs cycle remodelling in Non-Alcoholic Fatty Liver Disease (NAFLD) at the National Research Council (CNR), Italy, commencing in June 2017. Funding is initially available for three years and ESR is expected to be enrolled in a PhD programme.

A key objective of the FOIE GRAS network is to better understand the metabolic mechanisms and treatment behind NAFLD. This project will focus on the quantification of Krebs cycle fluxes in various animal models of NAFLD as well as in human NAFLD patients, using mass spectrometry and <sup>13</sup>C -stable isotope tracers and noninvasive “chemical biopsy” analysis of hepatic metabolite enrichments.

Research will include methodologies for assessing <sup>13</sup>C-enrichment analysis of plasma glucose and mass spectrometry and metabolomics markers using mass spectrometry (GCMS and LCMS) as well as system biology. The post-holder will have some scope to adapt the project based on his/her interests.

The post-holder will complete a research project under the supervision of Dr. Amalia Gastaldelli at CNR, with additional supervision of Dr. Carina Prip-Buus at the French National Institute of Health and Medical Research (INSERM), France.

The post-holder will be a member of the ETN FOIE GRAS (GA No. 722619), which comprises 10 beneficiary institutions and 4 associated partners from industry and clinical practice in 7 countries. Prospective candidates are encouraged to have a look at the other available ESR projects in the network (13 in total, see [FOIE GRAS'](#) website) and indicate up to 3 projects in order of preference in their applications.

### Selection process

Candidates should submit a **complete application\*** in **ONE PDF** file only, by e-mail to [coordinator.etnfoiegras@cnc.uc.pt](mailto:coordinator.etnfoiegras@cnc.uc.pt). Deadline for submission is **January 28th 2017**. The criteria for evaluation will be as follows: previous experience, based on CV (70%), letter of motivation (15%) and letters of reference (15%). Knowledge of English language (written and oral) is mandatory due to the international nature of the project. The Jury may decide to interview the candidates in order to perform a more objective evaluation of some of the criteria. Final decision will be communicated no later than April 15<sup>th</sup> 2017 with the contracts expected to initiate in June 1<sup>st</sup> 2017. \*Candidates that submit multiple files will be excluded from the evaluation.

**N° of positions available:** 1

### Research fields

Biochemistry, Biology, Biological chemistry, Biomedical sciences, Pharmacy, Bio-informatics, Biomedical Engineering, System biology, or related area and are interested in multi/ interdisciplinary research.

### Career stage

Master degree (M.Sc. or equivalent graduation). Applicant should not hold a PhD degree and must be in the first 4 years (full-time equivalent) of their research careers prior to the recruitment. This is measured from the date when they obtained the degree which would formally entitle them to embark on a Doctorate, either in the country in which the degree was obtained or in the country in which the research training is provided, irrespective of whether or not a Doctorate is the objective.

### Research profiles

Early Stage Researcher (R1)

### **Required languages**

Proficiency of English language skills corresponding to at least level B2 on the Common European Framework of Reference for Languages.

### **Benefits**

- Financial aspects: The project provides full funding for tuitions fees and salary.
- Monthly living allowance: The post-holder will be offered a salary plus allowances in line with The post-holder will be offered a salary plus allowances in line with the Marie Skłodowska-Curie Actions.

### **Requirements**

- Applicants must have an undergraduate or Master degree in Biochemistry, Biology, Biological chemistry, Biomedical sciences, Pharmacy, Bio-informatics, or related area and are interested in multi/interdisciplinary research;
- Applicants must not yet been awarded a PhD degree and must be in the first 4 years (full-time equivalent) of their research careers prior to the recruitment.
- Applicants are asked to supply a complete *curriculum vitae* including the following information:
  - Personal details academic/education history, including a list of courses/exams and grades, the exact award date (day/month/year) of the degree with original transcripts of Bachelor and Master University Degree as well as copy of valid identity documents, experimental skills, publications, etc.
  - Personal statement/motivation letter (up to 2 pages) about the research experience and interests;
  - Names and contact information of at least two academic referees who could write a letter of recommendation.
- Applicants can be of any nationality;
- Applicants must be eligible to work in Italy. They MUST NOT have resided or carried out their main activity in Italy more than 12 months in the 3 years immediately before the recruitment date.

The research project will be based at the National Research Council (CNR), Italy, but the post-holder will also be required to undertake some work and travel in other countries within the FOIE GRAS network.

<http://www.eracareers.pt/opportunities/index.aspx?task=global&jobId=87932>  
<https://euraxess.ec.europa.eu/jobs/168913>

## **Early Stage Researcher in the FOIE GRAS EU Training Network ESR 3**

We are seeking to appoint an Early Stage Researcher (ESR, PhD fellow) within the [FOIE GRAS](#) European Training Network sponsored by the Marie Skłodowska Curie Actions EU Horizon 2020. ESR will participate in a research project on the interplay between sulfide metabolism, mitochondria and Non-Alcoholic Fatty Liver Disease (NAFLD) at the French National Institute of Health and Medical Research (INSERM), France, commencing in June 2017. Funding is initially available for three years and ESR is expected to be enrolled in a PhD programme.

A key objective of the FOIE GRAS network is to better understand the metabolic mechanisms and treatment behind NAFLD. This project will address the pathophysiological role of hydrogen sulfide (H<sub>2</sub>S) and its metabolism in the context of NAFLD. Research will include methodologies and techniques ranging from basic mitochondrial bioenergetics analysis to gene expression analysis and animal models of NAFLD. The post-holder will have some scope to adapt the project based on his/her interests.

The post-holder will complete a research project under the supervision of Dr. Carina Prip-Buus at INSERM, France, with additional supervision of Dr. Hans Zischka from the German Research Center for Environmental Health (HMGU), Germany, and Dr. John Jones from the Center for Neuroscience and Cell Biology (CNC), Portugal.

The post-holder will be a member of the ETN FOIE GRAS (GA No. 722619), which comprises 10 beneficiary institutions and 4 associated partners from industry and clinical practice in 7 countries. Prospective candidates are encouraged to have a look at the other available ESR projects in the network (13 in total, see [FOIE GRAS'](#) website) and indicate up to 3 projects in order of preference in their applications.

### **Selection process**

Candidates should submit a **complete application\*** in **ONE PDF** file only, by e-mail to [coordinator.etnfoiegras@cnc.uc.pt](mailto:coordinator.etnfoiegras@cnc.uc.pt). Deadline for submission is **January 28th 2017**. The criteria for evaluation will be as follows: previous experience, based on CV (70%), letter of motivation (15%) and letters of reference (15%). Knowledge of English language (written and oral) is mandatory due to the international nature of the project. The Jury may decide to interview the candidates in order to perform a more objective evaluation of some of the criteria. Final decision will be communicated no later than April 15<sup>th</sup> 2017 with the contracts expected to initiate in June 1<sup>st</sup> 2017. \*Candidates that submit multiple files will be excluded from the evaluation.

**N° of positions available:** 1

### **Research fields**

Biochemistry, Biology, Biological chemistry, Biomedical sciences, Pharmacy, Bio-informatics, or related area and are interested in multi/ interdisciplinary research.

### **Career stage**

Master degree (M.Sc. or equivalent graduation). Applicant should not hold PhD degree and must be in the first 4 years (full-time equivalent) of their research careers prior to the recruitment. This is measured from the date when they obtained the degree which would formally entitle them to embark on a Doctorate, either in the country in which the degree was obtained or in the country in which the research training is provided, irrespective of whether or not a Doctorate is the objective.

### **Research profiles**

Early Stage Researcher (R1)

**Required languages**

Proficiency of English language skills corresponding to at least level B2 on the Common European Framework of Reference for Languages.

**Benefits**

Financial aspects: The project provides full funding for tuitions fees and salary.

Monthly living allowance: The post-holder will be offered a salary plus allowances in line with the Marie Skłodowska-Curie Actions.

**Requirements**

-Applicants must have an undergraduate or Master degree in Biochemistry, Biology, Biological chemistry, Biomedical sciences, Pharmacy, Bio-informatics, or related area and are interested in multi/interdisciplinary research;

-Applicants must not yet been awarded a PhD degree and must be in the first 4 years (full-time equivalent) of their research careers prior to the recruitment;

-Applicants are asked to supply a complete *curriculum vitae* including the following information:

- Personal details academic/education history, including a list of courses/exams and grades, the exact award date (day/month/year) of the degree with original transcripts of Bachelor and Master University Degree as well as copy of valid identity documents, experimental skills, publications, etc.

-Personal statement/motivation letter (up to 2 pages) about the research experience and interests;

-Names and contact information of at least two academic referees who could write a letter of recommendation;

-Applicants can be of any nationality;

-Applicants must be eligible to work in France. They MUST NOT have resided or carried out their main activity in France more than 12 months in the 3 years immediately before the recruitment date.

The research project will be based at the French National Institute of Health and Medical Research (INSERM), but the post-holder will also be required to undertake some work and travel in other countries within the FOIE GRAS network.

<http://www.eracareers.pt/opportunities/index.aspx?task=global&jobId=87933>

<https://euraxess.ec.europa.eu/jobs/168917>

## **Early Stage Researcher in the FOIE GRAS EU Training Network ESR 4**

We are seeking to appoint an Early Stage Researcher (ESR, PhD fellow) within the [FOIE GRAS](#) European Training Network sponsored by the Marie Skłodowska Curie Actions EU Horizon 2020. ESR will participate in a research project on the relationship between intestinal short-chain fatty acid production and hepatic bioenergetic status in Non-Alcoholic Fatty Liver Disease (NAFLD) at the Center for Neuroscience and Cell Biology (CNC), Portugal, commencing in June 2017. Funding is initially available for three years and ESR is expected to be enrolled in a PhD programme.

A key objective of the FOIE GRAS network is to better understand the metabolic mechanisms and treatment behind NAFLD. This project will focus on the clear identification of clinical, metabolic and molecular abnormalities associated with NAFLD, such as early changes in mitochondrial function, biogenesis and oxidative stress, and its regulation in animal models for NAFLD in different stages of the disease.

Research will include methodologies for evaluating the biological activity in isolated liver mitochondria, and mouse primary hepatocytes during lipotoxicity insults and in one rodent model of NAFLD. At the end they can be used to prevent or minimize mitochondrial dysfunction in both in vitro and in vivo models. The post-holder will have some scope to adapt the project based on their interests.

The post-holder will complete a research project under the supervision of Dr. John Jones at the CNC, Portugal, with additional supervision of Dr. Piero Portincasa at a large Division of Internal Medicine, Hospital Policlinico, University of Bari Aldo Moro (UNIBA), Italy, and Dr. Carina Prip-Buus French National Institute of Health and Medical Research (INSERM), France.

The post-holder will be a member of the ETN FOIE GRAS (GA No. 722619), which comprises 10 beneficiary institutions and 4 associated partners from industry and clinical practice in 7 countries. Prospective candidates are encouraged to have a look at the other available ESR projects in the network (13 in total, see [FOIE GRAS'](#) website) and indicate up to 3 projects in order of preference in their applications.

### **Selection process**

Candidates should submit a **complete application\*** in **ONE PDF** file only, by e-mail to [coordinator.etnfoiegras@cnc.uc.pt](mailto:coordinator.etnfoiegras@cnc.uc.pt). Deadline for submission is **January 28th 2017**. The criteria for evaluation will be as follows: previous experience, based on CV (70%), letter of motivation (15%) and letters of reference (15%). Knowledge of English language (written and oral) is mandatory due to the international nature of the project. The Jury may decide to interview the candidates in order to perform a more objective evaluation of some of the criteria. Final decision will be communicated no later than April 15<sup>th</sup> 2017 with the contracts expected to initiate in June 1<sup>st</sup> 2017. \*Candidates that submit multiple files will be excluded from the evaluation.

**N° of positions available:** 1

### **Research fields**

Biochemistry, Biology, Biological chemistry, Biomedical sciences, Pharmacy, Bio-informatics, or related area and are interested in multi/ interdisciplinary research.

### **Career stage**

Master degree (M.Sc. or equivalent graduation). Applicant should not hold PhD degree and must be in the first 4 years (full-time equivalent) of their research careers prior to the recruitment. This is measured from the date when they obtained the degree which would formally entitle them to embark

on a Doctorate, either in the country in which the degree was obtained or in the country in which the research training is provided, irrespective of whether or not a Doctorate is the objective.

### **Research profiles**

Early Stage Researcher (R1)

### **Required languages**

Proficiency of English language skills corresponding to at least level B2 on the Common European Framework of Reference for Languages.

### **Benefits**

Financial aspects: The project provides full funding for tuitions fees and salary.

Monthly living allowance: The post-holder will be offered a salary plus allowances in line with the Marie Skłodowska-Curie Actions.

### **Requirements**

-Applicants must have an undergraduate or Master degree in Biochemistry, Biology, Biological chemistry, Biomedical sciences, Pharmacy, Bio-informatics, or related area and are interested in multi/interdisciplinary research;

-Applicants must not yet been awarded a PhD degree and must be in the first 4 years (full-time equivalent) of their research careers prior to the recruitment;

-Applicants are asked to supply a complete *curriculum vitae* including the following information:

- Personal details academic/education history, including a list of courses/exams and grades, the exact award date (day/month/year) of the degree with original transcripts of Bachelor and Master University Degree as well as copy of valid identity documents, experimental skills, publications, etc.

-Personal statement/motivation letter (up to 2 pages) about the research experience and interests;

-Names and contact information of at least two academic referees who could write a letter of recommendation;

-Applicants can be of any nationality;

-Applicants must be eligible to work in the Portugal. They MUST NOT have resided or carried out their main activity in the Portugal more than 12 months in the 3 years immediately before the recruitment date.

The research project will be based at the Center for Neuroscience and Cell Biology, but the post-holder will also be required to undertake some work and travel in other countries within the FOIE GRAS network.

<http://www.eracareers.pt/opportunities/index.aspx?task=global&jobId=87934>

<https://euraxess.ec.europa.eu/jobs/168920>

## Early Stage Researcher in the FOIE GRAS EU Training Network ESR 5

We are seeking to appoint an Early Stage Researcher (ESR, PhD fellow) within the [FOIE GRAS](#) European Training Network sponsored by the Marie Skłodowska Curie Actions EU Horizon 2020. ESR will participate in a research project on dietary n-3 polyunsaturated fatty acids (omega-3) in the form of marine phospholipids to improve Non-Alcoholic Fatty Liver Disease (NAFLD) phenotype at the Institute of Physiology of the Czech Academy of Sciences (IPHYS), Czech Republic, commencing in June 2017. Funding is initially available for three years and ESR is expected to be enrolled in a PhD programme.

A key objective of the FOIE GRAS network is to better understand the mechanisms of development of treatment behind NAFLD as well as the mechanisms behind various treatment strategies. This project aims to perform a liver mitochondrial and metabolomic analyses in the livers of fed a high-fat diet supplemented or not with w-3-containing phospholipids (Krill oil), as compared with their traditionally used forms, such as triglycerides or ethyl esters. Evaluation of mitochondrial function in the different treatment groups will be combined with metabolomic analyses, hepatic gene expression and lipidome profiling.

Research will include methodologies for evaluating the liver mitochondria and metabolic activities in mice. It is expected that the metabolic profile in omega-3-fed animals will show improved metabolic profile, including a more robust mitochondrial profile, which may be manifested by increased mitochondrial biogenesis, respiration, and possibly also ATP production. Dietary omega-3 administration is also expected to modulate endocannabinoid levels and inflammatory markers in the intestine as well as in adipose and liver tissues. The post-holder will have some scope to adapt the project based on his/her interests.

The post-holder will complete a research project under the supervision of Dr. Martin Rossmeis and Dr. Jan Kopecky at the IPHYS, with additional supervision of Dr. Hans Zischka at the German Research Center for Environmental Health (HMGU) and Dr. Amalia Gastaldelli at the National Research Council (CNR), Italy.

### Selection process

Candidates should submit a **complete application\*** in **ONE PDF** file only, by e-mail to [coordinator.etnfoiegras@cnc.uc.pt](mailto:coordinator.etnfoiegras@cnc.uc.pt). Deadline for submission is **January 28th 2017**. The criteria for evaluation will be as follows: previous experience, based on CV (70%), letter of motivation (15%) and letters of reference (15%). Knowledge of English language (written and oral) is mandatory due to the international nature of the project. The Jury may decide to interview the candidates in order to perform a more objective evaluation of some of the criteria. Final decision will be communicated no later than April 15<sup>th</sup> 2017 with the contracts expected to initiate in June 1<sup>st</sup> 2017. \*Candidates that submit multiple files will be excluded from the evaluation.

**N° of positions available:** 1

### Research fields

Biochemistry, Biology, Biological chemistry, Biomedical sciences, Pharmacy, or related area and are interested in multi/ interdisciplinary research.

### Career stage

Master degree (M.Sc. or equivalent graduation). Applicant should not hold PhD degree and must be in the first 4 years (full-time equivalent) of their research careers prior to the recruitment. This is measured from the date when they obtained the degree which would formally entitle them to embark on a Doctorate, either in the country in which the degree was obtained or in the country in which the research training is provided, irrespective of whether or not a Doctorate is the objective.

**Research profiles**

Early Stage Researcher (R1)

**Required languages**

Proficiency of English language skills corresponding to at least level B2 on the Common European Framework of Reference for Languages.

**Benefits**

Financial aspects: The project provides full funding for tuitions fees and salary.

Monthly living allowance: The post-holder will be offered a salary plus allowances in line with the Marie Skłodowska-Curie Actions.

**Requirements**

-Applicants must have an undergraduate or Master degree in Biochemistry, Biology, Biological chemistry, Biomedical sciences, Pharmacy, Bio-informatics, or related area and are interested in multi/interdisciplinary research;

-Applicants must not yet been awarded a PhD degree and must be in the first 4 years (full-time equivalent) of their research careers prior to the recruitment;

-Applicants are asked to supply a complete *curriculum vitae* including the following information:

- Personal details academic/education history, including a list of courses/exams and grades, the exact award date (day/month/year) of the degree with original transcripts of Bachelor and Master University Degree as well as copy of valid identity documents, experimental skills, publications, etc.

-Personal statement/motivation letter (up to 2 pages) about the research experience and interests;

-Names and contact information of at least two academic referees who could write a letter of recommendation;

-Applicants can be of any nationality;

-Applicants must be eligible to work in Czech Republic. They MUST NOT have resided or carried out their main activity in Czech Republic more than 12 months in the 3 years immediately before the recruitment date.

The research project will be based at the Institute of Physiology of the CAS, but the post-holder will also be required to undertake some work and travel in other countries within the FOIE GRAS network.

<http://www.eracareers.pt/opportunities/index.aspx?task=global&jobId=87935>

<https://euraxess.ec.europa.eu/jobs/168923>

## **Early Stage Researcher in the FOIE GRAS EU Training Network ESR 6**

We are seeking to appoint an Early Stage Researcher (ESR, PhD fellow) within the [FOIE GRAS](#) European Training Network sponsored by the Marie Skłodowska Curie Actions EU Horizon 2020. ESR will participate in a research project on the role of gut hormones (glucagon like peptide-1, GLP-1) as a key player in the gut-liver axis in the context of Non-Alcoholic Fatty Liver Disease (NAFLD), at the National Research Council (CNR), Italy, commencing in June 2017. Funding is initially available for three years and ESR is expected to be enrolled in a PhD programme.

A key objective of the FOIE GRAS network is to better understand the metabolic mechanisms and treatment behind NAFLD. This project aims at better understanding the role of gut hormones (glucagon like peptide-1, GLP-1) during NAFLD progression in both animal models and humans. Research will include methodologies in measurement of plasma and tissue markers of lipotoxicity using mass spectrometry (GCMS and LCMS). The post-holder will have some scope to adapt the project based on his/her interests.

The post-holder will complete a research project under the supervision of Dr. Amalia Gastaldelli at CNR, with additional supervision of Dr. Paula Macedo from APDP – Diabetes, Portugal, and Dr. Andrea Normann at the Mediagnost, Germany.

The post-holder will be a member of the ETN FOIE GRAS (GA No. 722619), which comprises 10 beneficiary institutions and 4 associated partners from industry and clinical practice in 7 countries. Prospective candidates are encouraged to have a look at the other available ESR projects in the network (13 in total, see [FOIE GRAS'](#) website) and indicate up to 3 projects in order of preference in their applications.

### **Selection process**

Candidates should submit a **complete application\*** in **ONE PDF** file only, by e-mail to [coordinator.etnfoiegras@cnc.uc.pt](mailto:coordinator.etnfoiegras@cnc.uc.pt). Deadline for submission is **January 28th 2017**. The criteria for evaluation will be as follows: previous experience, based on CV (70%), letter of motivation (15%) and letters of reference (15%). Knowledge of English language (written and oral) is mandatory due to the international nature of the project. The Jury may decide to interview the candidates in order to perform a more objective evaluation of some of the criteria. Final decision will be communicated no later than April 15<sup>th</sup> 2017 with the contracts expected to initiate in June 1<sup>st</sup> 2017. \*Candidates that submit multiple files will be excluded from the evaluation.

**N° of positions available:** 1

### **Research fields**

Biochemistry, Biology, Biological chemistry, Biomedical sciences, Pharmacy, Bio-informatics, or related area and are interested in multi/ interdisciplinary research.

### **Career stage**

Master degree (M.Sc. or equivalent graduation). Applicant should not hold PhD degree and must be in the first 4 years (full-time equivalent) of their research careers prior to the recruitment. This is measured from the date when they obtained the degree which would formally entitle them to embark on a Doctorate, either in the country in which the degree was obtained or in the country in which the research training is provided, irrespective of whether or not a Doctorate is the objective.

### **Research profiles**

Early Stage Researcher (R1)

### **Required languages**

Proficiency of English language skills corresponding to at least level B2 on the Common European Framework of Reference for Languages.

### **Benefits**

Financial aspects: The project provides full funding for tuitions fees and salary.

Monthly living allowance: The post-holder will be offered a salary plus allowances in line with the Marie Skłodowska-Curie Actions.

### **Requirements**

-Applicants must have an undergraduate or Master degree in Biochemistry, Biology, Biological chemistry, Biomedical sciences, Pharmacy, Bio-informatics, or related area and are interested in multi/interdisciplinary research;

-Applicants must not yet been awarded a PhD degree and must be in the first 4 years (full-time equivalent) of their research careers prior to the recruitment;

-Applicants are asked to supply a complete *curriculum vitae* including the following information:

- Personal details academic/education history, including a list of courses/exams and grades, the exact award date (day/month/year) of the degree with original transcripts of Bachelor and Master University Degree as well as copy of valid identity documents, experimental skills, publications, etc.

-Personal statement/motivation letter (up to 2 pages) about the research experience and interests;

-Names and contact information of at least two academic referees who could write a letter of recommendation;

-Applicants can be of any nationality;

-Applicants must be eligible to work in Italy. They MUST NOT have resided or carried out their main activity in Italy more than 12 months in the 3 years immediately before the recruitment date.

The research project will be based at the National Research Council, but the post-holder will also be required to undertake some work and travel in other countries within the FOIE GRAS network.

<http://www.eracareers.pt/opportunities/index.aspx?task=global&jobId=87936>

<https://euraxess.ec.europa.eu/jobs/168924>

## Early Stage Researcher in the FOIE GRAS EU Training Network ESR 7

We are seeking to appoint an Early Stage Researcher (ESR, PhD fellow) within the [FOIE GRAS](#) European Training Network sponsored by the Marie Skłodowska Curie Actions EU Horizon 2020. ESR will participate in a research project on non-invasive Non-Alcoholic Fatty Liver Disease (NAFLD) functional fingerprinting using novel technologies at the University of Bari Aldo Moro (UNIBA), Italy, commencing in June 2017. Funding is initially available for three years and ESR is expected to be enrolled in a PhD programme.

A key objective of the FOIE GRAS network is to better understand the metabolic mechanisms and treatment behind NAFLD. This project aims at exploring novel non-invasive technologies including <sup>13</sup>C-breath tests (non-radioactive stable-isotope-based using liver-targeted substrates and noninvasive ultrasonographic assessment of liver steato-fibrosis), multiple sugar absorption tests (by urinary HPLC-MS-techniques) for linking intestinal permeability with liver steatosis and damage, and mid-range infra-red fingerprinting of urine and plasma samples, to evaluate NAFLD staging. Research will include methodologies for developing and applying novel biomarker algorithms for NAFLD diagnosis and staging based on the three novel technologies. The post-holder will have some scope to adapt the project based on his/her interests.

The post-holder will complete a research project in collaboration with researchers and clinicians at a large Division of Internal Medicine of the Regional Policlinico Hospital, under the supervision of Prof. Piero Portincasa, University of Bari Medical School, Italy, with additional supervision of Dr. Andreas Wolf at the microBIOLYTICS, Germany, and Dr. Paulo Oliveira and Dr. John Jones at the Center for Neuroscience and Cell Biology (CNC), Portugal.

The post-holder will be a member of the ETN FOIE GRAS (GA No. 722619), which comprises 10 beneficiary institutions and 4 associated partners from industry and clinical practice in 7 countries. Prospective candidates are encouraged to have a look at the other available ESR projects in the network (13 in total, see [FOIE GRAS'](#) website) and indicate up to 3 projects in order of preference in their applications.

### Selection process

Candidates should submit a **complete application\*** in **ONE PDF** file only, by e-mail to [coordinator.etnfoiegras@cnc.uc.pt](mailto:coordinator.etnfoiegras@cnc.uc.pt). Deadline for submission is **January 28th 2017**. The criteria for evaluation will be as follows: previous experience, based on CV (70%), letter of motivation (15%) and letters of reference (15%). Knowledge of English language (written and oral) is mandatory due to the international nature of the project. The Jury may decide to interview the candidates in order to perform a more objective evaluation of some of the criteria. Final decision will be communicated no later than April 15<sup>th</sup> 2017 with the contracts expected to initiate in June 1<sup>st</sup> 2017. \*Candidates that submit multiple files will be excluded from the evaluation.

**N° of positions available:** 1

### Research fields

Biochemistry, Biology, Biological chemistry, Biomedical sciences, Pharmacy, Bio-informatics, or related area and are interested in multi/ interdisciplinary research.

### Career stage

Master degree (M.Sc. or equivalent graduation). Applicant should not hold PhD degree and must be in the first 4 years (full-time equivalent) of their research careers prior to the recruitment. This is measured from the date when they obtained the degree which would formally entitle them to embark on a Doctorate, either in the country in which the degree was obtained or in the country in which the research training is provided, irrespective of whether or not a Doctorate is the objective.

**Research profiles**

Early Stage Researcher (R1)

**Required languages**

Proficiency of English language skills corresponding to at least level B2 on the Common European Framework of Reference for Languages.

**Benefits**

Financial aspects: The project provides full funding for tuitions fees and salary.

Monthly living allowance: The post-holder will be offered a salary plus allowances in line with the Marie Skłodowska-Curie Actions.

**Requirements**

- Applicants must have an undergraduate or Master degree in Biochemistry, Biology, Biological chemistry, Biomedical sciences, Pharmacy, Bio-informatics, Medical biotechnologies and Molecular medicine, or related area and are interested in multi/ interdisciplinary research;
- Applicants must not yet been awarded a PhD degree and must be in the first 4 years (full-time equivalent) of their research careers prior to the recruitment;
- Applicants are asked to supply a complete *curriculum vitae* including the following information:
  - Personal details academic/education history, including a list of courses/exams and grades, the exact award date (day/month/year) of the degree with original transcripts of Bachelor and Master University Degree as well as copy of valid identity documents, experimental skills, publications, etc.
  - Personal statement/motivation letter (up to 2 pages) about the research experience and interests;
  - Names and contact information of at least two academic referees who could write a letter of recommendation;
- Applicants can be of any nationality;
- Applicants must be eligible to work in Italy. They MUST NOT have resided or carried out their main activity in Italy more than 12 months in the 3 years immediately before the recruitment date.

The research project will be based at the University of Bari Aldo Moro, but the post-holder will also be required to undertake some work and travel in other countries within the FOIE GRAS network.

<http://www.eracareers.pt/opportunities/index.aspx?task=global&jobId=87937>

<https://euraxess.ec.europa.eu/jobs/168928>

## Early Stage Researcher in the FOIE GRAS EU Training Network ESR 8

We are seeking to appoint an Early Stage Researcher (ESR, PhD fellow) within the [FOIE GRAS](#) European Training Network sponsored by the Marie Skłodowska Curie Actions EU Horizon 2020. ESR will participate in a research project on miRNAs and cell death in Non-Alcoholic Fatty Liver Disease (NAFLD) progression at the Faculdade de Farmácia da Universidade de Lisboa (FFUL), Portugal, commencing in June 2017. Funding is initially available for three years and ESR is expected to be enrolled in a PhD programme.

A key objective of the FOIE GRAS network is to better understand the metabolic mechanisms and treatments behind NAFLD. Using patient samples, liver-specific miRNA knockout animals, and in vitro models, this project aims to: 1) investigate molecular targets that may contribute to the pathogenesis of inflammation progressing to hepatocellular carcinoma; 2) explore specific miRNA strategies and/or selected small molecule modulators of mitochondrial cell death; and 3) identify NAFLD miRNA signatures in liver and plasma. Research will include methodologies associated with phenotypic screening, gene/protein expression analyses, arrays and sequencing, and bioimaging analyses. The post-holder will have some scope to adapt the project based on personal interests.

The post-holder will complete a research project in collaboration with researchers at the Faculdade de Farmácia da Universidade de Lisboa under the supervision of Dr. Cecilia Rodrigues at FFUL, with additional supervision of Dr. Carina Prip-Buus at the French National Institute of Health and Medical Research (INSERM), France and Dr. Andreas Normann at the Mediagnost, Germany.

The post-holder will be a member of the ETN FOIE GRAS (GA No. 722619), which comprises 10 beneficiary institutions and 4 associated partners from industry and clinical practice in 7 countries. Prospective candidates are encouraged to have a look at the other available ESR projects in the network (13 in total, see [FOIE GRAS'](#) website) and indicate up to 3 projects in order of preference in their applications.

### Selection process

Candidates should submit a **complete application\*** in **ONE PDF** file only, by e-mail to [coordinator.etnfoiegras@cnc.uc.pt](mailto:coordinator.etnfoiegras@cnc.uc.pt). Deadline for submission is **January 28th 2017**. The criteria for evaluation will be as follows: previous experience, based on CV (70%), letter of motivation (15%) and letters of reference (15%). Knowledge of English language (written and oral) is mandatory due to the international nature of the project. The Jury may decide to interview the candidates in order to perform a more objective evaluation of some of the criteria. Final decision will be communicated no later than April 15<sup>th</sup> 2017 with the contracts expected to initiate in June 1<sup>st</sup> 2017. \*Candidates that submit multiple files will be excluded from the evaluation.

**N° of positions available:** 1

### Research fields

Biochemistry, Biology, Biological chemistry, Biomedical sciences, Pharmacy, Bio-informatics, or related area and are interested in multi/ interdisciplinary research.

### Career stage

Master degree (M.Sc. or equivalent graduation). Applicant should not hold PhD degree and must be in the first 4 years (full-time equivalent) of their research careers prior to the recruitment. This is measured from the date when they obtained the degree which would formally entitle them to embark on a doctorate, either in the country in which the degree was obtained or in the country in which the research training is provided, irrespective of whether or not a Doctorate is the objective.

### Research profiles

Early Stage Researcher (R1)

**Required languages**

Proficiency of English language skills corresponding to at least level B2 on the Common European Framework of Reference for Languages.

**Benefits**

Financial aspects: The project provides full funding for tuitions fees and salary.

Monthly living allowance: The post-holder will be offered a salary plus allowances in line with the Marie Skłodowska-Curie Actions.

**Requirements**

-Applicants must have an undergraduate or Master degree in Biochemistry, Biology, Biological Chemistry, Biomedical Sciences, Pharmacy, Bioinformatics, or related area and are interested in multi/interdisciplinary research;

-Applicants must not yet been awarded a PhD degree and must be in the first 4 years (full-time equivalent) of their research careers prior to the recruitment;

-Applicants are asked to supply a complete *curriculum vitae* including the following information:

- Personal details academic/education history, including a list of courses/exams and grades, the exact award date (day/month/year) of the degree with original transcripts of Bachelor and Master University Degree as well as copy of valid identity documents, experimental skills, publications, etc.

-Personal statement/motivation letter (up to 2 pages) about the research experience and interests;

-Names and contact information of at least two academic referees who could write a letter of recommendation;

-Applicants can be of any nationality;

-Applicants must be eligible to work in Portugal. They MUST NOT have resided or carried out their main activity in Portugal more than 12 months in the 3 years immediately before the recruitment date.

The research project will be based at Faculdade de Farmácia da Universidade de Lisboa, but the post-holder will also be required to undertake some work and travel in other countries within the FOIE GRAS network.

<http://www.eracareers.pt/opportunities/index.aspx?task=global&jobId=87938>

<https://euraxess.ec.europa.eu/jobs/168929>

## Early Stage Researcher in the FOIE GRAS EU Training Network ESR 9

We are seeking to appoint an Early Stage Researcher (ESR, PhD fellow) within the [FOIE GRAS](#) European Training Network sponsored by the Marie Skłodowska Curie Actions EU Horizon 2020. ESR will participate in a research project on the mitochondrial biomarkers to predict hepatic surgery success at the Institute of Biomedical Research of Barcelona (IIBB-CSIC), Spain, commencing in June 2017. Funding is initially available for three years and ESR is expected to be enrolled in a PhD programme.

A key objective of the FOIE GRAS network is to better understand the metabolic mechanisms and treatment behind NAFLD. This project aims to use animal models of postoperative hepatic failure (PHF) to measure end-points of mitochondrial function (e.g. respiration, membrane potential, oxidative stress and mitochondrial gene expression) at different points after surgery in order to predict success or failure of the surgery process. Research will include methodologies and techniques in liver surgery in rodent models, miRNA/mtDNA and bacterial DNA screening, high throughput mitochondrial function analyses, as well as provide IR fingerprint in serum by IR-based methods. The post-holder will have some scope to adapt the project based on their interests.

The post-holder will complete a research project under the supervision of Dr. Juan Catafau at the Institute of Biomedical Research of Barcelona, Spain, with additional supervision of Dr. Hans Zischka at the German Research Center for Environmental Health (HMGU), Germany, and Dr. Carlos Palmeira and Dr. Paulo Oliveira at the Center for Neuroscience and Cell Biology (CNC), Portugal.

The post-holder will be a member of the ETN FOIE GRAS (GA No. 722619), which comprises 10 beneficiary institutions and 4 associated partners from industry and clinical practice in 7 countries. Prospective candidates are encouraged to have a look at the other available ESR projects in the network (13 in total, see [FOIE GRAS'](#) website) and indicate up to 3 projects in order of preference in their applications.

### Selection process

Candidates should submit a **complete application\*** in **ONE PDF** file only, by e-mail to [coordinator.etnfoiegras@cnc.uc.pt](mailto:coordinator.etnfoiegras@cnc.uc.pt). Deadline for submission is **January 28th 2017**. The criteria for evaluation will be as follows: previous experience, based on CV (70%), letter of motivation (15%) and letters of reference (15%). Knowledge of English language (written and oral) is mandatory due to the international nature of the project. The Jury may decide to interview the candidates in order to perform a more objective evaluation of some of the criteria. Final decision will be communicated no later than April 15<sup>th</sup> 2017 with the contracts expected to initiate in June 1<sup>st</sup> 2017. \*Candidates that submit multiple files will be excluded from the evaluation.

**N° of positions available:** 1

### Research fields

Biochemistry, Biology, Biological chemistry, Biomedical sciences, Pharmacy, Bio-informatics, or related area and are interested in multi/ interdisciplinary research.

### Career stage

Master degree (M.Sc. or equivalent graduation). Applicant should not hold PhD degree and must be in the first 4 years (full-time equivalent) of their research careers prior to the recruitment. This is measured from the date when they obtained the degree which would formally entitle them to embark on a Doctorate, either in the country in which the degree was obtained or in the country in which the research training is provided, irrespective of whether or not a Doctorate is the objective.

### Research profiles

Early Stage Researcher (R1)

**Required languages**

Proficiency of English language skills corresponding to at least level B2 on the Common European Framework of Reference for Languages.

**Benefits**

Financial aspects: The project provides full funding for tuitions fees and salary.

Monthly living allowance: The post-holder will be offered a salary plus allowances in line with the Marie Skłodowska-Curie Actions.

**Requirements**

- Applicants must have an undergraduate or Master degree in Biochemistry, Biology, Biological chemistry, Biomedical sciences, Pharmacy, Bio-informatics, or related area and are interested in multi/interdisciplinary research;
- Applicants must not yet been awarded a PhD degree and must be in the first 4 years (full-time equivalent) of their research careers prior to the recruitment;
- Applicants are asked to supply a complete *curriculum vitae* including the following information:
  - Personal details academic/education history, including a list of courses/exams and grades, the exact award date (day/month/year) of the degree with original transcripts of Bachelor and Master University Degree as well as copy of valid identity documents, experimental skills, publications, etc.
  - Personal statement/motivation letter (up to 2 pages) about the research experience and interests;
  - Names and contact information of at least two academic referees who could write a letter of recommendation;
- Applicants can be of any nationality;
- Applicants must be eligible to work in Spain. They MUST NOT have resided or carried out their main activity in Spain more than 12 months in the 3 years immediately before the recruitment date.

The research project will be based at the Institute of Biomedical Research of Barcelona, but the post-holder will also be required to undertake some work and travel in other countries within the FOIE GRAS network.

<http://www.eracareers.pt/opportunities/index.aspx?task=global&jobId=87939>  
<https://euraxess.ec.europa.eu/jobs/168933>

## Early Stage Researcher in the FOIE GRAS EU Training Network ESR 10

We are seeking to appoint an Early Stage Researcher (ESR, PhD fellow) within the [FOIE GRAS](#) European Training Network sponsored by the Marie Skłodowska Curie Actions EU Horizon 2020. ESR will participate in a research project on the relation between physical activity and Non-Alcoholic Fatty Liver Disease (NAFLD) at the University of Porto (UPORTO), Portugal, commencing in June 2017. Funding is initially available for three years and ESR is expected to be enrolled in a PhD programme.

A key objective of the FOIE GRAS network is to better understand the metabolic mechanisms and treatment behind NAFLD. This project aims to determine the physical exercise regimen (voluntary vs. endurance) is more effective in reducing the NAFLD phenotype in human patients and in a high-fat diet mouse model. Research will include methodologies associated to patient data analysis, analytical detection of plasma markers in both humans and animal models and mitochondrial analysis in isolated hepatic fractions from the animal models. The post-holder will have some scope to adapt the project based on his/her interests.

The post-holder will complete a research project under the supervision of Dr. José Magalhães and Dr. Fernanda Borges, at the University of Porto, Portugal, with additional supervision of Dr. Piero Portincasa, at a Large Division of Internal Medicine of the Regional Policlinico Hospital, University of Bari Aldo Moro (UNIBA), Italy, and Dr. Andreas Wolf at the microBIOLYTICS, Germany.

The post-holder will be a member of the ETN FOIE GRAS (GA No. 722619), which comprises 10 beneficiary institutions and 4 associated partners from industry and clinical practice in 7 countries. Prospective candidates are encouraged to have a look at the other available ESR projects in the network (13 in total, see [FOIE GRAS'](#) website) and indicate up to 3 projects in order of preference in their applications.

### Selection process

Candidates should submit a **complete application\*** in **ONE PDF** file only, by e-mail to [coordinator.etnfoiegras@cnc.uc.pt](mailto:coordinator.etnfoiegras@cnc.uc.pt). Deadline for submission is **January 28th 2017**. The criteria for evaluation will be as follows: previous experience, based on CV (70%), letter of motivation (15%) and letters of reference (15%). Knowledge of English language (written and oral) is mandatory due to the international nature of the project. The Jury may decide to interview the candidates in order to perform a more objective evaluation of some of the criteria. Final decision will be communicated no later than April 15<sup>th</sup> 2017 with the contracts expected to initiate in June 1<sup>st</sup> 2017. \*Candidates that submit multiple files will be excluded from the evaluation.

**N° of positions available:** 1

### Research fields

Sport Sciences, Biochemistry, Biology, Biological chemistry, Biomedical sciences, Pharmacy, Bioinformatics, Medical biotechnologies and Molecular medicine, or related area and are interested in multi/ interdisciplinary research.

### Career stage

Master degree (M.Sc. or equivalent graduation). Applicant should not hold PhD degree and must be in the first 4 years (full-time equivalent) of their research careers prior to the recruitment. This is measured from the date when they obtained the degree which would formally entitle them to embark on a Doctorate, either in the country in which the degree was obtained or in the country in which the research training is provided, irrespective of whether or not a Doctorate is the objective.

### Research profiles

Early Stage Researcher (R1)

**Required languages**

Proficiency of English language skills corresponding to at least level B2 on the Common European Framework of Reference for Languages.

**Benefits**

Financial aspects: The project provides full funding for tuitions fees and salary.

Monthly living allowance: The post-holder will be offered a salary plus allowances in line with the Marie Skłodowska-Curie Actions.

**Requirements**

- Applicants must have an undergraduate or Master degree in Biochemistry, Biology, Biological chemistry, Biomedical sciences, Pharmacy, Bio-informatics, or related area and are interested in multi/interdisciplinary research;
- Applicants must not yet been awarded a PhD degree and must be in the first 4 years (full-time equivalent) of their research careers prior to the recruitment;
- Applicants are asked to supply a complete *curriculum vitae* including the following information:
  - Personal details academic/education history, including a list of courses/exams and grades, the exact award date (day/month/year) of the degree with original transcripts of Bachelor and Master University Degree as well as copy of valid identity documents, experimental skills, publications, etc.
  - Personal statement/motivation letter (up to 2 pages) about the research experience and interests;
  - Names and contact information of at least two academic referees who could write a letter of recommendation;
- Applicants can be of any nationality;
- Applicants must be eligible to work in Portugal. They MUST NOT have resided or carried out their main activity in Portugal more than 12 months in the 3 years immediately before the recruitment date.

The research project will be based at the University of Porto, but the post-holder will also be required to undertake some work and travel in other countries within the FOIE GRAS network.

<http://www.eracareers.pt/opportunities/index.aspx?task=global&jobId=87940>

<https://euraxess.ec.europa.eu/jobs/168934>

# Early Stage Researcher in the FOIE GRAS EU Training Network

## ESR 11

We are seeking to appoint an Early Stage Researcher (ESR, PhD fellow) within the [FOIE GRAS](#) European Training Network sponsored by the Marie Skłodowska Curie Actions EU Horizon 2020. ESR will participate in a research project on the role of the Mediterranean diet and liver bioenergetics in the Non-Alcoholic Fatty Liver Disease (NAFLD) context, at the University of Bari Aldo Moro (UNIBA), Italy, commencing as early in June 2017. Funding is initially available for three years and ESR is expected to be enrolled in a PhD programme.

The post-holder will complete a research project under the supervision of Dr. Piero Portincasa, with additional supervision of Dr. Andreas Normann at the Mediagnost, Germany, and of Dr. Andreas Wolf at the microBIOLYTICS, Germany.

A key objective of the FOIE GRAS network is to better understand the metabolic mechanisms and treatment behind NAFLD. This project will test the concept that a Mediterranean diet improves the individual health status including liver function in patients with liver steatosis and stigmata of the Metabolic syndrome.

Research will include methodologies and techniques that range from basic biochemical analysis to patient data analysis and breath test methodology. The post-holder will have some scope to adapt the project based on their interests.

This project will be carried out in collaboration with researchers and clinicians at a large Division of Internal Medicine of the Regional Policlinico Hospital the University of Bari Aldo Moro, Italy (UNIBA), and the two companies in Germany, Mediagnost and microBIOLYTICS.

The post-holder will be a member of the ETN FOIE GRAS (GA No. 722619), which comprises 10 beneficiary institutions and 4 associated partners from industry and clinical practice in 7 countries. Prospective candidates are encouraged to have a look at the other available ESR projects in the network (13 in total, see [FOIE GRAS'](#) website) and indicate up to 3 projects in order of preference in their applications.

### Selection process

Candidates should submit a **complete application\*** in **ONE PDF** file only, by e-mail to [coordinator.etnfoiegras@cnc.uc.pt](mailto:coordinator.etnfoiegras@cnc.uc.pt). Deadline for submission is **January 28th 2017**. The criteria for evaluation will be as follows: previous experience, based on CV (70%), letter of motivation (15%) and letters of reference (15%). Knowledge of English language (written and oral) is mandatory due to the international nature of the project. The Jury may decide to interview the candidates in order to perform a more objective evaluation of some of the criteria. Final decision will be communicated no later than April 15<sup>th</sup> 2017 with the contracts expected to initiate in June 1<sup>st</sup> 2017. \*Candidates that submit multiple files will be excluded from the evaluation.

**N° of positions available:** 1

### Research fields

Biochemistry, Biology, Biological chemistry, Biomedical sciences, Pharmacy, Bio-informatics, Medical biotechnologies and Molecular medicine, or related area and are interested in multi/interdisciplinary research.

### Career stage

Master degree (M.Sc. or equivalent graduation). Applicant should not hold PhD degree and must be in the first 4 years (full-time equivalent) of their research careers prior to the recruitment. This is measured from the date when they obtained the degree which would formally entitle them to embark

on a doctorate, either in the country in which the degree was obtained or in the country in which the research training is provided, irrespective of whether or not a Doctorate is the objective.

### **Research profiles**

Early Stage Researcher (R1)

### **Required languages**

Proficiency of English language skills corresponding to at least level B2 on the Common European Framework of Reference for Languages.

### **Benefits**

Financial aspects: The project provides full funding for tuitions fees and salary.

Monthly living allowance: The post-holder will be offered a salary plus allowances in line with the Marie Skłodowska-Curie Actions.

### **Requirements**

-Applicants must have an undergraduate or Master degree in Biochemistry, Biology, Biological chemistry, Biomedical sciences, Pharmacy, Bio-informatics, or related area and are interested in multi/interdisciplinary research;

-Applicants must not yet been awarded a PhD degree and must be in the first 4 years (full-time equivalent) of their research careers prior to the recruitment;

-Applicants are asked to supply a complete *curriculum vitae* including the following information:

- Personal details academic/education history, including a list of courses/exams and grades, the exact award date (day/month/year) of the degree with original transcripts of Bachelor and Master University Degree as well as copy of valid identity documents, experimental skills, publications, etc.

-Personal statement/motivation letter (up to 2 pages) about the research experience and interests;

-Names and contact information of at least two academic referees who could write a letter of recommendation;

-Applicants can be of any nationality;

-Applicants must be eligible to work in Italy. They MUST NOT have resided or carried out their main activity in Italy more than 12 months in the 3 years immediately before the recruitment date.

The research project will be based at the University of Bari Aldo Moro, but the post-holder will also be required to undertake some work and travel in other countries within the FOIE GRAS network.

<http://www.eracareers.pt/opportunities/index.aspx?task=global&jobId=87941>

<https://euraxess.ec.europa.eu/jobs/168936>

## **Early Stage Researcher in the FOIE GRAS EU Training Network ESR 12**

We are seeking to appoint an Early Stage Researcher (ESR, PhD fellow) within the [FOIE GRAS](#) European Training Network sponsored by the Marie Skłodowska Curie Actions EU Horizon 2020, to participate in a research project on fat-free diet for mitochondria: mushroom-enriched diets for Non-Alcoholic Fatty Liver Disease (NAFLD) at the German Research Center for Environmental Health (HMGU), Germany, commencing in June 2017. Funding is initially available for three years and ESR is expected to be enrolled in a PhD programme.

A key objective of the FOIE GRAS network is to better understand the metabolic mechanisms and treatment behind NAFLD. This project aims at using a mouse model for NAFLD/NASH to demonstrate that a diet enriched in mushrooms alleviates the disease phenotype through improvement of mitochondrial metabolism, when compared with a regular diet.

Research will include a wide variety of techniques ranging from basic cell biology, isolation of pure and intact mitochondrial fractions from several tissues, measurement of mitochondrial function through multiple techniques, mtDNA copy number, including using the Seahorse XFe96 platform, Western Blotting and qRT-PCR, SPECCs technology for mid-range IR profiling in mouse blood samples and isolation of mitochondrial-associated membranes. The post-holder will have some scope to adapt the project based on his/her interests.

The post-holder will complete a research project under the supervision of Dr. Hans Zischka at HMGU, with additional supervision of Dr. Paulo Oliveira and Dr. Anabela Marisa Azul at the Center for Neuroscience and Cell Biology (CNC), Portugal, and Dr. Mario Wieckowski at the Nencki Institute of Experimental Biology (NENCKI), Poland.

The post-holder will be a member of the ETN FOIE GRAS (GA No. 722619), which comprises 10 beneficiary institutions and 4 associated partners from industry and clinical practice in 7 countries. Prospective candidates are encouraged to have a look at the other available ESR projects in the network (13 in total, see [FOIE GRAS'](#) website) and indicate up to 3 projects in order of preference in their applications.

### **Selection process**

Candidates should submit a **complete application\*** in **ONE PDF** file only, by e-mail to [coordinator.etnfoiegras@cnc.uc.pt](mailto:coordinator.etnfoiegras@cnc.uc.pt). Deadline for submission is **January 28th 2017**. The criteria for evaluation will be as follows: previous experience, based on CV (70%), letter of motivation (15%) and letters of reference (15%). Knowledge of English language (written and oral) is mandatory due to the international nature of the project. The Jury may decide to interview the candidates in order to perform a more objective evaluation of some of the criteria. Final decision will be communicated no later than April 15<sup>th</sup> 2017 with the contracts expected to initiate in June 1<sup>st</sup> 2017. \*Candidates that submit multiple files will be excluded from the evaluation.

**N° of positions available:** 1

### **Research fields**

Biochemistry, Biology, Biological chemistry, Biomedical sciences, Pharmacy, Bio-informatics, or related area and are interested in multi/ interdisciplinary research.

### **Career stage**

Master degree (M.Sc. or equivalent graduation). Applicant should not hold PhD degree and must be in the first 4 years (full-time equivalent) of their research careers prior to the recruitment. This is measured from the date when they obtained the degree which would formally entitle them to embark

on a doctorate, either in the country in which the degree was obtained or in the country in which the research training is provided, irrespective of whether or not a Doctorate is the objective.

### **Research profiles**

Early Stage Researcher (R1)

### **Required languages**

Proficiency of English language skills corresponding to at least level B2 on the Common European Framework of Reference for Languages.

### **Benefits**

Financial aspects: The project provides full funding for tuitions fees and salary.

Monthly living allowance: The post-holder will be offered a salary plus allowances in line with the Marie Skłodowska-Curie Actions.

### **Requirements**

-Applicants must have an undergraduate or Master degree in Biochemistry, Biology, Biological chemistry, Biomedical sciences, Pharmacy, Bio-informatics, or related area and are interested in multi/interdisciplinary research;

-Applicants must not yet been awarded a PhD degree and must be in the first 4 years (full-time equivalent) of their research careers prior to the recruitment;

-Applicants are asked to supply a complete *curriculum vitae* including the following information:

- Personal details academic/education history, including a list of courses/exams and grades, the exact award date (day/month/year) of the degree with original transcripts of Bachelor and Master University Degree as well as copy of valid identity documents, experimental skills, publications, etc.

-Personal statement/motivation letter (up to 2 pages) about the research experience and interests;

-Names and contact information of at least two academic referees who could write a letter of recommendation;

-Applicants can be of any nationality;

-Applicants must be eligible to work in Germany. They MUST NOT have resided or carried out their main activity in Germany more than 12 months in the 3 years immediately before the recruitment date.

The research project will be based at the German Research Center for Environmental Health, but the post-holder will also be required to undertake some work and travel in other countries within the FOIE GRAS network.

<http://www.eracareers.pt/opportunities/index.aspx?task=global&jobId=87942>

<https://euraxess.ec.europa.eu/jobs/168938>

## Early Stage Researcher in the FOIE GRAS EU Training Network ESR 13

We are seeking to appoint an Early Stage Researcher (ESR, PhD fellow) within the [FOIE GRAS](#) European Training Network sponsored by the Marie Skłodowska Curie Actions EU Horizon 2020. ESR will participate in a research project on the bioenergetics in Non-Alcoholic Fatty Liver Disease (NAFLD). A key objective of the FOIE GRAS network is to develop and implement strategic communication for addressing Non-Alcoholic Fatty Liver Disease awareness, “From the bench to the zeitgeist”, particularly from the production of animation and comics. The position will be at the [Center for Neuroscience and Cell Biology](#) (CNC), Portugal, commencing in June 2017. Funding is initially available for three years and ESR is expected to be enrolled in a PhD programme.

The post-holder will complete a research project under the supervision of Dr. Anabela Marisa Azul and Dr. João Ramalho-Santos, with additional collaboration of Dr. Amalia Gastaldelli from National Research Council (CNR), Italy, and Dr. Paula Macedo from APDP-Diabetes Portugal.

This project will focus on the development and qualitatively and quantitatively test strategic communication and educational activities addressing NAFLD awareness to different types of audiences (clinicians, patients, patient groups, students, general public), with production of graphic media (pamphlets, comics and animation), similar to the science and art collaborations done in the past, e.g. [A Stem Cell Adventure](#), in conjunction with appropriate analysis tools (focus groups, questionnaires, etc.) ([Amaral et al. 2015](#)), related to a [Public Outreach Programme](#). The post-holder will have some scope to adapt the project based on their interests.

This project will be carried out in collaboration with all FOIE GRAS consortium'. The post-holder will be a member of the ETN FOIE GRAS (GA No. 722619), which comprises 10 beneficiary institutions and 4 associated partners from industry and clinical practice in 7 countries. Prospective candidates are encouraged to have a look at the other available ESR projects in the network (13 in total, see [FOIE GRAS'](#) website) and indicate up to 3 projects in order of preference in their applications.

### Selection process

Candidates should submit a **complete application\*** in **ONE PDF** file only, by e-mail to [coordinator.etnfoiegras@cnc.uc.pt](mailto:coordinator.etnfoiegras@cnc.uc.pt). Deadline for submission is **January 28th 2017**. The criteria for evaluation will be as follows: previous experience, based on CV (70%), letter of motivation (15%) and letters of reference (15%). Knowledge of English language (written and oral) is mandatory due to the international nature of the project. The Jury may decide to interview the candidates in order to perform a more objective evaluation of some of the criteria. Final decision will be communicated no later than April 15<sup>th</sup> 2017 with the contracts expected to initiate in June 1<sup>st</sup> 2017. \*Candidates that submit multiple files will be excluded from the evaluation.

**N° of positions available:** 1

### Research fields

Science communication, Scientific Illustration, Animation, Comics, and Media studies, or related area and are interested in multi/ interdisciplinary research.

### Career stage

Master degree (M.Sc. or equivalent graduation). Applicant should not hold PhD degree and must be in the first 4 years (full-time equivalent) of their research careers prior to the recruitment. This is measured from the date when they obtained the degree which would formally entitle them to embark on a Doctorate, either in the country in which the degree was obtained or in the country in which the research training is provided, irrespective of whether or not a Doctorate is the objective.

### Research profiles

Early Stage Researcher (R1)

**Required languages**

Proficiency of English language skills corresponding to at least level B2 on the Common European Framework of Reference for Languages.

**Benefits**

Financial aspects: The project provides full funding for tuitions fees and salary.

Monthly living allowance: The post-holder will be offered a salary plus allowances in line with the Marie Skłodowska-Curie Actions.

**Requirements**

-Applicants must have an undergraduate or Master degree in Science communication, Scientific Illustration, Animation, Comics, Media studies, or related area and are interested in multi/interdisciplinary research;

-Applicants must not yet been awarded a PhD degree and must be in the first 4 years (full-time equivalent) of their research careers prior to the recruitment;

-Applicants are asked to supply a complete *curriculum vitae* including the following information:

- Personal details academic/education history, including a list of courses/exams and grades, the exact award date (day/month/year) of the degree with original transcripts of Bachelor and Master University Degree as well as copy of valid identity documents, experimental skills, publications, etc.

-Personal statement/motivation letter (up to 2 pages) about the research experience and interests;

-Names and contact information of at least two academic referees who could write a letter of recommendation;

-Applicants can be of any nationality;

-Applicants must be eligible to work in Portugal. They MUST NOT have resided or carried out their main activity in Portugal more than 12 months in the 3 years immediately before the recruitment date.

The research project will be based at the Center for Neuroscience and Cell Biology, but the post-holder will also be required to undertake some work and travel in other countries within the FOIE GRAS network.

<http://www.eracareers.pt/opportunities/index.aspx?task=global&jobId=87943>