

京都大学大学院薬学研究科 先端創薬研究プロジェクト教員（テニュアトラック教員）募集のご案内

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| 職種 | 准教授（テニュアトラック）または講師（テニュアトラック） |
| 募集人員 | 1 名 |
| 勤務場所 | 京都大学大学院薬学研究科 先端創薬研究プロジェクト 〒606-8501 京都市左京区吉田下阿達町 46-29 (大学が在宅勤務を許可又は命じた場合は自宅等) |
| 職務内容 | <p>(1) 京都大学国際高等教育院*における英語による教養・共通科目（E2 科目）**の担当。「Introduction to Molecular Cell Biology」、「Basic Biology and Metabolism」、「Introduction to Biosciences」の3つの科目を担当する。ただし、低年次生を対象としたデータサイエンス科目などに変更してもよい。</p> <p>(2) 京都大学国際高等教育院における英語科目「科学コミュニケーションの基礎と実践」（E3 科目）の担当</p> <p>(3) 京都大学大学院薬学研究科および京都大学国際高等教育院の管理・運営に関わる業務および共同事業に関わる業務</p> <p>(4) その他、所属の長が必要と認める業務</p> <p>* https://www.z.k.kyoto-u.ac.jp/ ** https://www.z.k.kyoto-u.ac.jp/introduction/la-english</p> |
| 資格等 | <p>(1) 外国籍を有すること</p> <p>(2) 博士の学位又は Ph.D.を有すること</p> <p>(3) 「職務内容」の欄に記載した事項に情熱をもって取り組めること</p> <p>(4) 教職員等と積極的に協働して教育研究活動に従事できること</p> <p>(5) 上記の「職務内容」を遂行するための日本語運用能力を有しているか、もしくはメンター候補となる薬学研究科教員から事前に協力の許可を得ていること</p> |
| 雇用期間 | 任期3年（再任の場合は任期2年、1回限り）。任期中あるいは再任中にテニュア審査を申請し、これに合格した場合、任期の定めのない教員となる。 着任予定時期：2025 年 2 月 1 日以降、なるべく早い時期 |
| 試用期間 | あり（6 ヶ月） |
| 勤務形態 | 専門業務型裁量労働制（週 38 時間 45 分相当、1 日 7 時間 45 分相当） 休日：土・日曜日、祝日、年末年始、創立記念日及び夏季休業日 |
| 給与 | 本学支給基準に基づき支給 |
| 手当 | 本学支給基準に基づき支給 |
| 社会保険 | 文部科学省共済組合、厚生年金、雇用保険及び労災保険に加入 |
| 応募方法 | <p>以下の応募書類を1つの pdf ファイルにまとめて、添付ファイルとして、下記宛先にメールにて提出のこと。メールの件名に「先端創薬研究プロジェクト教員応募書類」と記載してください。</p> <p>(1) 履歴書（様式自由）</p> |

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| | <ul style="list-style-type: none"> ・ 氏名・生年月日・現住所・電話番号・電子メールアドレスを明記すること ・ 学歴・職歴・学会や社会での活動等・賞罰を明記すること ・ 学歴は高等学校卒業以降を記載すること ・ 学歴・職歴では、年・月を記載すること <p>(2) 教育研究業績目録（様式自由）</p> <ul style="list-style-type: none"> ・ 業績は、図書、学術論文、書評、教材などの項目に分け、新しいものから順に記載すること ・ 教育と研究の業績は分けること ・ 共著の場合は全員の氏名を記載し、責任著者にはアスタリスク（*）を、また応募者の氏名にアンダーラインをそれぞれ付けること <p>(3) 研究費（外部資金）の取得状況（様式自由）</p> <p>(4) 教育及び研究指導実績の概要（1 ページ程度）</p> <p>(5) 着任後の英語関連教育への抱負（1 ページ程度）</p> <p>(6) 応募者について所見を求めうる方（2 名）の氏名と連絡先</p> <p>(7) 推薦書等、その他参考となる資料（任意）</p> <p>(8) 主要論文別刷（任意）</p> |
| 応募締め切り | 2024 年 12 月 6 日（金）正午必着 |
| 選考方法 | 書類審査の後、面接を実施します。面接等詳細は、候補者に別途連絡します。 |
| メールでの応募先 および問い合わせ先 | <p>薬学研究科総務掛</p> <p>電話：075-753-4513</p> <p>メール：080yakusomu@mail2.adm.kyoto-u.ac.jp(*を@に変えてください。)</p> |
| その他 | <ul style="list-style-type: none"> ・ 採用後は、薬学系に所属し、大学院薬学研究科創発医薬科学専攻において勤務します。 ・ 採用後は主に教育業務を担当し、居室スペースが提供されます。メンター教員と協議の上、研究活動を実施することは妨げません。 ・ テニユア取得後も、職務内容として教育業務および組織管理運営業務が継続します。 ・ 提出していただいた書類は、採用審査にのみ使用します。正当な理由なく第三者への開示、譲渡及び貸与することは一切ありません。なお、応募書類はお返ししませんので、あらかじめご了承ください。 ・ 京都大学は男女共同参画を推進しています。その一環として、雇用の分野における男女の均等な機会及び待遇の確保等に関する法律（男女雇用機会均等法）第八条の規程に基づき、選考において評価が同等と認められた場合は、女性を優先して採用します。 ・ 出産・育児期間中の業績を休業期間の前後と等しい業績とみなします。必要に応じて、応募書類に育児等のための休業期間を記載してください。 |

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| | <ul style="list-style-type: none">● 薬学研究科では休憩室、授乳スペースを設置するなど、仕事と育児が両立しやすい環境を目指しています。● 京都大学では、すべてのキャンパスにおいて屋内での喫煙を禁止し、屋外では喫煙場所に指定された場所を除き、喫煙を禁止するなど、受動喫煙の防止を図っています。 |
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| 科目ナンバリング | | U-LAS14 20064 LE68 | | | | | | | | | |
| 授業科目名 <英訳> | | Introduction to Molecular Cell Biology-E2 Introduction to Molecular Cell Biology-E2 | | | | | 担当者所属 職名・氏名 | | | | |
| 群 | 自然科学科目群 | | | 分野(分類) | 生物学(各論) | | | 使用言語 | 英語 | | |
| 旧群 | B群 | 単位数 | 2単位 | 週コマ数 | 1コマ | 授業形態 | 講義（対面授業科目） | | | | |
| 開講年度・ 開講期 | 2024・前期 | | 曜時限 | 火4 | | 配当学年 | 全回生 | 対象学生 | 全学向 | | |
| 【授業の概要・目的】 | | | | | | | | | | | |
| <p>Cells are fundamental units that make up living things or exist on their own as organisms such as bacteria. In this course we will explore what cells are, their structure, chemical components and the basics of cell functions.</p> <p>This course is designed to provide the fundamentals of cell biology that are required by anyone to understand both the biomedical and the broader biological issues that affect our lives.</p> <p>It is better that students have taken “ Basic Biology and Metabolism (2nd semester) ” or an equivalent class prior this one.</p> | | | | | | | | | | | |
| 【到達目標】 | | | | | | | | | | | |
| <p>Students will acquire a basic understanding of cell structure and function and its relevance to humans and Biomedical and Biotechnological applications.</p> <p>Students should be able to appreciate basic biology and in particular the importance of cell structure and function and their relationship with the organism as a whole.</p> <p>Students should be able to understand and discuss various aspects of Bioscience in English.</p> <p>Since the topics of "Molecular Cell Biology" can be very broad and not possible to cover all, students will have the opportunity to learn about topics which they are specifically interested in. This will take the form of preparation and presentation of assignments based on news or journal articles of topics of their own interest.</p> | | | | | | | | | | | |
| 【授業計画と内容】 | | | | | | | | | | | |
| 1. Course Introduction, Overview of Cell Biology 2. Control of Gene Expression 1 3. Control of Gene Expression 2 4. Cell Membranes 5. How Cells Obtain Energy from food 6. Energy Generation in Mitochondria and Chloroplasts 7. Cell Signalling 8. Midterm Exam / How Cells Divide: The Cell-Division Cycle 1 9. How Cells Divide: The Cell-Division Cycle 2 10. Cell Communities, Tissues, Stem Cells and Cancer 1 11. Cell Communities, Tissues, Stem Cell and Cancer 2 12. Viruses and their Interactions with Cells 13. The Nervous System 1 14. The Nervous system 2 15. Final Exam 16. Feedback | | | | | | | | | | | |
| ----- Introduction to Molecular Cell Biology-E2(2)へ続く ----- | | | | | | | | | | | |

Introduction to Molecular Cell Biology-E2(2)

【履修要件】

Students should have a general interest and curiosity about the study Cell Biology. It is better that students have taken “ Basic Biology and Metabolism (2nd semester) ” or an equivalent class prior this one.

【成績評価の方法・観点】

Class presentation assignments 20%.

Midterm examination 20%

Final examination 60%.

The exact balance will depend on the number of presentation assignments in the course, which may take the place of a midterm exam.

【教科書】

Alberts B et al. 『 Essential Cell Biology 5th edition 』 (W. H. Norton) ISBN:9780393679533

OpenStax Biology 2e freely available to download at the URL below

(関連URL)

<https://openstax.org/details/books/biology-2e>

【授業外学修（予習・復習）等】

Review of the textbook prior to class, previous lecture materials and preparation for in class presentation assignments.

【その他（オフィスアワー等）】

The contents of the syllabus are a guide to the content of the course, the exact content may change. Input from students is very welcome to suggest aspects Cell Biology to cover in the course. I am always happy to discuss with prospective students or students via email and meet with prior appointment.

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| 科目ナンバリング | | U-LAS14 10013 LE68 | | | | | | | | | |
| 授業科目名 <英訳> | | Basic Biology and Metabolism-E2 Basic Biology and Metabolism-E2 | | | | 担当者所属 職名・氏名 | | | | | |
| 群 | 自然科学科目群 | | | 分野(分類) | 生物学(総論) | | | 使用言語 | 英語 | | |
| 旧群 | B群 | 単位数 | 2単位 | 週コマ数 | 1コマ | 授業形態 | 講義 (対面授業科目) | | | | |
| 開講年度・ 開講期 | 2024・後期 | | 曜時限 | 火4 | | 配当学年 | 全回生 | 対象学生 | 全学向 | | |
| 【授業の概要・目的】 | | | | | | | | | | | |
| <p>Cells are fundamental units that make up living things or exist on their own as organisms such as bacteria. In this course we will explore what cells are, their structure, chemical components and the basics of cell functions.</p> <p>This course is designed to provide the fundamentals of cell biology that are required by anyone to understand both the biomedical and the broader biological issues that affect our lives. Since Cell Biology is a very broad topic, students will have the opportunity to investigate areas of their own specific interests via presentation assignments such as news or journal articles covering Cell Biology.</p> <p>Students are encouraged to continue taking "Introduction to Molecular Cell Biology-E2 (1st semester)" as a follow-up to this course.</p> | | | | | | | | | | | |
| 【到達目標】 | | | | | | | | | | | |
| <p>Students will acquire a basic understanding of cell structure and function.</p> <p>Students should be able to appreciate basic biology and in particular the importance of cell structure and function and their relationship with the organism as a whole.</p> <p>Students should be able to understand and discuss various aspects of Bioscience in English.</p> | | | | | | | | | | | |
| 【授業計画と内容】 | | | | | | | | | | | |
| <ol style="list-style-type: none"> 1. Introduction to the course and Cell Biology 2. Cells, the Fundamental Units of Life 3. Chemical Components of Cells 1 4. Chemical Components of Cells 2 5. Energy, Catalysis and Biosynthesis 1 6. Energy, Catalysis and Biosynthesis 2 7. Protein Structure and Function 1 8. Midterm Exam / Protein Structure and Function 2 9. Protein Structure and Function 3 10. DNA and Chromosomes 11. DNA Replication and Repair 12. How Cells Read the Genome: From DNA to Protein 1 13. How Cells Read the Genome: From DNA to Protein 2 14. Biotechnology And genomics 15. Final exam 16. Feedback | | | | | | | | | | | |
| ----- Basic Biology and Metabolism-E2(2)へ続く ----- | | | | | | | | | | | |

Basic Biology and Metabolism-E2(2)

【履修要件】

Students should have a general interest and curiosity about the study Molecular Cell Biology. As this is an introductory course prior knowledge of the topic is not necessary. essential knowledge for the class will be provided as needed in class.

【成績評価の方法・観点】

Class Presentation assignments 20%

Midterm exam 20%

Final examination 60%

The exact proportion will depend on the number of assignments in the course, these may be in place of a midterm exam

【教科書】

“ Essential Cell Biology ” 5th edition (2019) by Alberts et al., W.W. Norton and Company, New York
ISBN 9780393679533

OpenStax Biology 2e freely available to download at the URL below.

(関連URL)

<https://openstax.org/details/books/biology-2e>

【授業外学修（予習・復習）等】

Review from the textbook, previous lecture content and preparation for assignments to be presented in class.

【その他（オフィスアワー等）】

The contents of the syllabus are a guide to the content of the course, the exact content may change. Input from students is very welcome to suggest aspects to cover in the course. I am always happy to discuss with prospective students via email and meet with prior appointment.

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|---|---------|--|-----|--------|---------|----------------|------------|------|-----|--|--|
| 科目ナンバリング | | U-LAS14 20071 LE68 | | | | | | | | | |
| 授業科目名 <英訳> | | Introduction to Biosciences-E2 Introduction to Biosciences-E2 | | | | 担当者所属 職名・氏名 | | | | | |
| 群 | 自然科学科目群 | | | 分野(分類) | 生物学(各論) | | | 使用言語 | 英語 | | |
| 旧群 | B群 | 単位数 | 2単位 | 週コマ数 | 1コマ | 授業形態 | 講義（対面授業科目） | | | | |
| 開講年度・ 開講期 | 2024・後期 | | 曜時限 | 水4 | | 配当学年 | 全回生 | 対象学生 | 全学向 | | |
| 【授業の概要・目的】 | | | | | | | | | | | |
| <p>The study of life i.e. Biology or Bioscience is the study of living organisms which is divided into many specialised fields that cover their form (morphology), function (physiology), structure (anatomy), behavior, origin (evolution), distribution, and their interactions with the environment (Ecology).</p> <p>“ Introduction to Bioscience ” will introduce students to these fields covering a wide-range of Bioscience and their importance and implications for humans.</p> | | | | | | | | | | | |
| 【到達目標】 | | | | | | | | | | | |
| <p>Students should be able to appreciate the diversity of Bioscience and the importance an understanding of its knowledge can have on our daily lives.</p> <p>Students should be able to understand and discuss various aspects of Bioscience in English.</p> <p>Students should be able to read, understand and think critically about Bioscience and how the media, such as in news reports, newspaper articles etc cover aspects of Bioscience and its relevance to our lives.</p> <p>As the range of topics covered by "Bioscience" is vast and cannot all be covered during the course, students will have the opportunity for learning about areas specific to their own interests via preparation for class presentation assignments on topics they are interested in via news and journal articles covering Bioscience.</p> | | | | | | | | | | | |
| 【授業計画と内容】 | | | | | | | | | | | |
| 1. Course introduction, Chemistry of life 2. Cell structure 3. Genetics 4. Cell Reproduction and Communication 5. Metabolism and Cellular Respiration 6. Animal Form and Function 7. Mid-term exam / The Nervous system 1 8. The Nervous system 2 9. Biological Rhythms 10. Viruses 11. Plant Biology 12. Biotechnology and Genomics 13. Ecology 14. Evolution 15. Final Exam 16. Feedback | | | | | | | | | | | |
| Introduction to Biosciences-E2(2)へ続く | | | | | | | | | | | |

Introduction to Biosciences-E2(2)

[履修要件]

Students should have a general interest and curiosity about the study of life. As this is an introductory course no prior experience is necessary.

[成績評価の方法・観点]

Class presentation assignments 20%.

Midterm exam, 20%.

Final examination 60%.

The exact balance will be determined by the number of presentation assignments, which may be counted in place of a midterm exam.

[教科書]

OpenStax Biology 2e freely available to download at the URL below.

“ Essential Cell Biology ” 5th edition (2019) by Alberts et al., W.W. Norton and Company, New York ISBN 9780393679533 may be useful for the Cell Biology aspects of the course though it is not essential to buy the book if you do not already have it.

[参考書等]

(参考書)

Openstaax Biology available online.

(関連URL)

<https://openstax.org/details/books/biology-2e>

[授業外学修（予習・復習）等]

Review from the textbook, previous lecture material and preparation of assignments to be presented in class.

[その他（オフィスアワー等）]

The contents of the syllabus are a guide to the content of the course, the exact content may change. Input from students is very welcome to suggest aspects Bioscience to cover in the course.

I am always happy to discuss with prospective students via email and meet with prior appointment.

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|---|-----------|--|-----|--------|-----|-------------|----------------|------|------|---------|--|
| 科目ナンバリング | | U-LAS51 10014 SB48 | | | | | | | | | |
| 授業科目名 <英訳> | | 科学コミュニケーションの基礎と実践（薬・英） A-E3 Theory and Practice in Scientific Writing and Discussion (Pharmaceutical Sciences, English)A-E3 | | | | | 担当者所属 職名・氏名 | | | | |
| 群 | キャリア形成科目群 | | | 分野(分類) | | 国際コミュニケーション | | | 使用言語 | 日本語及び英語 | |
| 旧群 | C群 | 単位数 | 2単位 | 週コマ数 | 1コマ | 授業形態 | 演習（対面授業科目） | | | | |
| 開講年度・開講期 | 2024・前期 | | 曜時限 | 月4/月5 | | 配当学年 | 2回生以上 | 対象学生 | 理系向 | | |
| [授業の概要・目的] | | | | | | | | | | | |
| <p>"Theory and Practice in Scientific Writing and Discussion" will provide students with the basics of scientific English.</p> <p>Expressions and vocabulary used in scientific texts are different from everyday English. When giving a presentation or a seminar, or writing a report or research manuscript, it is critical to use a well organised and precise language so that the ideas and discoveries are well communicated.</p> <p>This course is mainly targeted to students who wish to pursue a scientific career, especially in research. Although learning new vocabulary and grammar is a substantial part of this course, the emphasis will be put on practice.</p> | | | | | | | | | | | |
| [到達目標] | | | | | | | | | | | |
| <p>To acquire basic knowledge on the structure and vocabulary of scientific English (biology, physics, chemistry).</p> <p>To be able to build sentences using the vocabulary and grammar they have learned.</p> <p>To learn English names of common scientific tools.</p> <p>To be able to accurately describe dimensions and relative positions of objects, scientific equations, chemical reactions and other scientific concepts.</p> <p>To be able to communicate scientific content in English in a relaxed manner and without hesitation.</p> | | | | | | | | | | | |
| [授業計画と内容] | | | | | | | | | | | |
| 1. What is Scientific English? (2 weeks) 2. The basic units and dimensions, numerals, enunciation and comprehension of complex numbers and equations. (2 weeks) 3. Chemicals and chemical reactions. (2 weeks) 4. Latin and Greek roots of modern scientific English. (2 weeks) 5. How to describe the relative position and dimensions of an object, descriptions of movements and force, basic human and animal anatomy. (3 weeks) 6. Mid-term exam (in Approximately class 12). 7. Description of experimental setups in Biology and Chemistry. (2 weeks) 8. Introduction to giving presentations - Elevator Pitch / self- introduction / Scientific-flash talks. (2 weeks) 9. Feedback (1 week) | | | | | | | | | | | |
| [履修要件] | | | | | | | | | | | |
| Students uncomfortable in social interactions may find this course challenging. | | | | | | | | | | | |
| [成績評価の方法・観点] | | | | | | | | | | | |
| - Class participation (answering and asking questions or discussion, 40%, there are no marks for "class | | | | | | | | | | | |
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| 科学コミュニケーションの基礎と実践（薬・英） A-E3(2)へ続く↓↓↓ | | | | | | | | | | | |

attendance").

- Midterm exam (30%)

- Assignments (such as role play in Laboratory or Pharmacy, elevator pitch / self introduction, scientific flash talk, 30%).

The balance between the above will be dependent on the number of assignments given.

[教科書]

Anthony FW FOONG 『Comprehensive Scientific English (A) 4th Edition』 (IMEX. Japan) ISBN:978-4-9905790-2-9 (4th edition, April 2020)

OpenStax Biology, Anatomy and Physiology, Chemistry and Physics, freely available to download at the URL below.

[参考書等]

(参考書)

授業中に紹介する

References and articles will also be given via Panda.

(関連URL)

<https://openstax.org/subjects>

[授業外学修（予習・復習）等]

Review from the textbook, listening exercises on the CDs, class material and preparation for assignments to be presented either in class or submitted.

[その他（オフィスアワー等）]

The contents of the syllabus are a guide to the content of the course, the exact content may change. Input from students is very welcome to suggest aspects of scientific English to cover in the course. I am always happy to discuss with students, please contact me via email in the first instance.