EThOS for EAP: The PhD Abstracts Collections in FLAX with the British Library Electronic Thesis Online Service

Alannah Fitzgerald, Chris Mansfield & Shaoqun Wu
Workshop Overview

• FLAX Research and Development
  • Who we are
• Electronic Thesis Online Service (EThOS) at the British Library
  • Reuse of digital collections
• Abstracts
  • Lexical paving with rhetorical moves
    • (Bottom-up text level)
  • Tools for Search, Collocations, Word Lists, Lexical Bundles
    • (Top-down corpus level)
  • Wikification and linking to open resources
• Embedding Data-Driven Learning Resources
  – Queen Mary’s EAP Programmes and VLE
FLAX DATA DRIVEN LANGUAGE LEARNING: MINING OPEN ACCESS PHD THESES FROM THE BRITISH LIBRARY
FLAX Language Project flax.nzdl.org
Greenstone Digital Library Lab
Waikato University NZ

Professor Ian Witten
FLAX Project Lead

Dr Shaoqun Wu
FLAX Project Lead Researcher & Developer
FLAX Open Language Research

Alannah Fitzgerald
FLAX Open Education Research
Concordia University

Chris Mansfield
Queen Mary Language Centre
University of London
REUSE OF ARTEFACTS OF THE ACADEMY: TEXT MINING
flax.nzdl.org
Powerful yet simple interfaces for Data-Driven Learning
FLAX Academic English Collections

**PhD Abstracts Collections**
These collections come from the E-theses Online Service (EThOS) Open Access Initiative managed by the British Library.
- Arts and Humanities
- Life Sciences
- Physical Sciences
- Social Sciences
- Useful words for academic writing

**British Academic Written English Collections**
These collections come from the British Academic Written English (BAWE) corpus, which was developed at the Universities of Warwick, Reading and Oxford Brookes.
- Social Sciences
- Arts and Humanities
- Physical Sciences
- Life Sciences
- Useful words for academic writing

**LAW Collections**
The resources used in these law collections come from open podcasts, Massive Open Online Courses (MOOCs) and Open Access publications. They have been developed to support learners with Legal English and to demonstrate the types of domain-specific collections that can be built using the FLAX software.
- Age of Globalization MOOC (University of Texas at Austin with edX)
- English Common Law MOOC (University of London with Coursera)
- Environmental Politics and Law (Yale University with OpenYale)
- CopyrightX (Harvard University)
- Law Articles (Open Access Law Journal Publications)
- Legal Terms List
- British Law Report Corpus (BLaRC)
- ContractsX (Harvard University)
- Law PhD Theses Abstracts (EThOS at the British Library)

**Collections Created by Registered Users**
- If you would like to build your own collections and put them here, please email us.

Note: Note: we have moved some teacher created collections, which are currently under construction, to collections.flax.nzdl.org. However, if you would like your finalised collections to appear here, please email us.
- Financial Crisis Lectures

**EThOS at the British Library**
- Social Sciences PhD Thesis Abstracts
- Arts and Humanities PhD Thesis Abstracts
- Law PhD Thesis Abstracts
- PhD Thesis Abstracts on Water Politics and Tourism Studies
- STEM PhD Thesis Abstracts

PhD Abstracts in FLAX

http://flax.nzdl.org/greenstone3/flax?a=b&rt=r&s=ClassifierBrowse&cl=CL1&c=PASS&if=flax
EThOS at the British Library

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Can't find the thesis you want? Click here to ask our experts

"A wealth of data is buried in theses which can shed light on very interesting areas..."

Find out how three researchers from the Universities of Manchester, Plymouth and Glasgow have used EThOS to help their research.

Find out more

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- Participating Institutions
- Resources in the EThOS Toolkit
- OAIPMH harvesting

Other Services from the British Library:
- Document supply website
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http://ethos.bl.uk/Home.do;jsessionid=C0BD2D50495813E0DD83D5BD7E1341B6
Mahendra Mahey is the Project Manager of British Library Labs, an Andrew Mellon Foundation funded initiative which supports and inspires the use of the British Library's digital collections and data in exciting and innovative ways. British Library Labs, an extension of the Digital Research Team, encourages and supports scholars and innovators to work with us and our collections through competitions, awards and other engagement activities.
British Library Collections Reuse

Alannah Fitzgerald: Here we are at the British Library on the 29th of October, 2016 in London. So, we’re going to talk about the EThOS collections and what your views are on reuse. I think you just started talking there about the complexity around the rights of reuse...complexity was the word that you used.

Mahendra Mahey: Okay, so there was a change in the law [2014], which allowed text and data mining. So, text and data mining for non-commercial purposes. [...]

So, you know, obviously in terms of the projects I’ve worked on it’s all about trying to get, to open up digital collections for research and various other practices. So, when, obviously, when we saw that there was a change in the legislation that was being enforced, we were really excited about that.

[Transcript snippet from interview with Mahendra Mahey and Alannah Fitzgerald. Staff restaurant at the British Library, London. 29th October 2016.]
PHD ABSTRACT COLLECTIONS: FLAX
Abstracts

- “gatekeepers” (Swales, 1990) of academic fields
- “sub-genre” (Swales and Feak, 2009)
- “self-promotional tools” (Hyland, 2000)
- Function as metadata (along with titles and keywords) for the improved searchability and ranking of a paper, thesis etc. via search engines
- Often the only part of a paper read via abstracts databases
- Often the only part of a paper that is accessible within subscription-based publications (Bordet, 2015)
PHD ABSTRACT COLLECTIONS: LEXICAL PAVING
Lexical Paving (Bordet, 2015 p. 45)

“...a succession of lexical patterns’ variations around reiterated pivot keywords within a text forms a sort of “lexical paving” whose integration with the rhetorical moves contributes to the coherence of the argumentation in a text, as expected by a specified discourse community.”
PHD ABSTRACT COLLECTIONS: LEXICAL PAVING – TEXT LEVEL EXAMPLE 1
Investigation of positron emission tomography for pharmacological assessment of epidermal growth factor receptor-directed therapies

The epidermal growth factor receptor (EGFR) is overexpressed in many cancers including lung, breast, head and neck and brain. Furthermore, mutations of this receptor have been shown to play crucial roles in response to EGFR-targeted therapies in non small cell lung carcinoma (NSCLC) patients. Imaging EGFR or its function using positron emission tomography (PET) could aid in selection and monitoring patient's therapeutic response to small molecule tyrosine kinase inhibitors (TKIs) including gefitinib. The aims of this project are first to further investigate the use of a series of cyanoquinoline tracers for imaging the EGFR and second to assess the role of PET imaging to predict early response to EGFR directed therapy such as gefitinib. First, the uptake of a representative cyanoquinoline radiotracer, [18F]2E-N-[4-[[3-chloro-4-fluorophenyl]amino]-3-cyano-7-ethoxyquinolin-6-yl]-4-[[2R,5S]-3-fluoro-4,5-dihydroxy-6-(hydroxymethyl)oxan-2-yl]-1H-1,2,3-triazol-4-yl][methy]amino]but-2-ename (18Fedd), was examined in cell lines harbouring mutant forms of EGFR. In vitro assays, evaluating the affinity of cyanoquinoline compounds for different mutant EGFR and in vivo PET imaging in NSCLC xenograft models expressing mutant or wild type (WT) EGFR were carried out. The lack of specificity for mutant vs WT EGFR and overall low tumour uptake led us to investigate the potential interaction of the radiotracer with members of the ABC transporters. In vitro experiments of radiolabelled [18F] showed substrate specificity of the cyanoquinoline tracer for at least two ABC transporters, ABCG2 and ABCB1. This was confirmed by inhibiting the activity of the transporters through drug and siRNA treatment. To overcome the transporter substrate specificity of FED, investigations into a novel radiotracer, [2E]-N-[4-[[3-chloro-4-fluorophenyl]amino]-3-cyano-7-ethoxyquinolin-6-yl]-4-[[2R,5S]-3-fluoro-4,5-dihydroxy-6-(hydroxymethyl)oxan-2-yl]-1H-1,2,3-triazol-4-yl][methy]amino]but-2-ename (FED2), designed so as to limit the affinity for the ABC transporters were carried out. These studies showed that FED2 lacked the substrate specificity for both ABCG2 and ABCB2, and maintained a strong affinity for EGFR. Second, the role of choline kinase as a biomarker of response to gefitinib treatment in sensitive vs resistant NSCLC cell lines was investigated. In vitro western blots, Q-PCR, cell viability and cell cycle analysis assays were undertaken. In vitro cell uptake experiments using tritiated choline were compared with uptake of [18F] deoxy-3 Fluorothymidine (FLT) and [18F]Fluoro-D glucose (FDG). Higher levels of choline uptake were found in the sensitive compared to the resistant cell line whereas both [18F]FLT and [18F]FDG showed higher accumulation in the resistant versus sensitive cell line. These experiments confirmed that differential responses of the sensitive and the resistant cell lines to gefitinib treatment were detectable by tracer pulse-chase. In vivo PET imaging of NSCLC xenografts using [18F]FLT, [18F]FDG and [18F]D4Choline showed that gefitinib treatment was associated with a decrease in the fractional retention of all three tracers in the sensitive but not resistant NSCLC xenografts.

Source

http://flax.nzdl.org/greenstone3/flax? a=d&c=PALS&d=HASH03e49ead43ab3231a28245&dt=simple&sib=1&p.a=q&p.sa=&p.s=AdvancedFieldQuery
### PhD Abstracts (Life Sciences)

**Investigation of positron emission tomography for pharmacological assessment of epidermal growth factor receptor-directed therapies**

The epidermal growth factor receptor (EGFR) is overexpressed in many cancers including lung, breast, head and neck and brain. Furthermore, mutations of this receptor have been shown to play crucial roles in response to EGFR-targeted therapies in non small cell lung carcinoma (NSCLC) patients. Imaging EGFR or its function using positron emission tomography (PET) could aid in selection and monitoring patient’s therapeutic response to small molecule tyrosine kinase inhibitors and monoclonal antibodies. The aims of this project are first to further investigate the use of a series of cyanoquinoline tracers for imaging the EGFR and secondly to predict early response to EGFR directed therapy such as gefitinib. First, the uptake of a representative cyanoquinoline radiotracer, [(18)F]FED6, was examined in cell lines expressing different mutant EGFR and in vivo PET imaging in NSCLC xenograft models expressing mutant and wild type EGFR was carried out. The lack of specificity for mutant vs WT EGFR and overall low tumour uptake led us to investigate the potential interaction of the radiotracer with members of the ABC transporters. In vitro experiments of radiolabelled [(18)F]FED6 showed substrate specificity of the cyanoquinoline tracer for at least two ABC transporters, ABCG2 and ABCB1. This was confirmed by inhibiting the activity of the transporters through drug and siRNA treatment. To overcome the transporter substrate specificity of FED6, investigations into a novel radiotracer, [(2E)-N-[[3-chloro-4-fluorophenyl]amino]-3-cyano-7-ethoxyquinolin-6-yl]-4-[[1-[(2R,5S)-3-fluoro-4,5-dihydroxy-6-(hydroxymethyl)oxan-2-yl]-1H-1,2,3-triazol-4-yl]methyl]amino]but-2-eneamide (FED20), designed so as to limit the affinity for the ABC transporters were carried out. These studies showed that FED20 lacked the substrate specificity for both ABCB1 and ABCG2, and maintained a strong affinity for EGFR. Second, the role of choline kinase as a biomarker of response to gefitinib treatment in sensitive vs resistant NSCLC cell lines was investigated. In vitro western blots, Q-PCR, cell viability and cell cycle analysis assays were undertaken. In vitro cell uptake experiments using tritiated choline were compared with uptake of [(18)F] choline and [(18)F]FDG. Higher levels of choline uptake were found in the sensitive compared to the resistant cell line whereas both [(18)F]FDG and [(18)F]FDG showed higher accumulation in the resistant versus sensitive cell line. These experiments confirmed that differential responses of the sensitive and the resistant cell lines to gefitinib treatment were detectable by tracer pulse-chase. In vivo PET imaging of NSCLC xenografts using [(18)F]FDG showed that gefitinib treatment was associated with a decrease in the fractional retention of all three tracers in the sensitive but not resistant NSCLC xenografts.

**http://flax.nzl.og/greenstone3/flax?**

a=d&c=PALS&d=HASH03e49ead43ab3231a28245&dt=simple&sib=1&p.a=q&p.sa=&p.s=AdvancedFieldQuery
Investigation of positron emission tomography for pharmacological assessment of epidermal growth factor receptor-directed therapies

The epidermal growth factor receptor (EGFR) is overexpressed in many cancers including lung, breast, head and neck and brain. Furthermore, mutations of this receptor have been shown to play crucial roles in response to EGFR-targeted therapies in non small cell lung carcinoma (NSCLC) patients. Imaging EGFR or its function using positron emission tomography (PET) could aid in selection and monitoring patient’s therapeutic response to small molecule tyrosine kinase inhibitors. The aims of this project are to further investigate the use of a series of cyanquinoline tracers for imaging the EGFR and its potential to predict early response to EGFR directed therapy such as gefitinib. First, the uptake of a representative cyanquinoline radiotracer [1,2,3-triazol-4-y][methyl] amino]but-2-enamide ([18F]FED6), was examined in a range of cell lines representing the affinity of cyanquinoline compounds for different mutant EGFR and in vivo PET imaging in NSCLC xenografts. Overall low tumour uptake led us to investigate the potential interactions with ABC transporters. Metabolic experiments of radiolabelled [18F] showed substrate specificity of the cyanquinoline tracer for at least two ABC transporters. To overcome the transporter substrate specificity of FED6, inactive [1,2,3-triazol-4-y][3-chloro-4-fluorophenyl]aminoc]-3-cyano-7-ethoxyquinolin-6-yl]-4-[[1-[(2R,5S)-3-fluro-4,5-dihydroxy-6-(hydroxymethyl)oxan-2-y]]-1H-1,2,3-triazol-4-y]glycinamide (FED20), designed so as to limit the affinity for the ABC transporters were carried out. These studies showed that FED20 lacked the substrate specificity for both ABCB1 and ABCG2, and maintained a strong affinity for EGFR. Second, the role of choline kinase as a biomarker of response to gefitinib treatment in sensitive vs resistant NSCLC cell lines was investigated. In vitro western blots, Q-PCR, cell viability and cell cycle analysis assays were undertaken. In vitro cell uptake experiments using tritiated choline were compared with uptake of [18F]3’ deoxy-3’ Fluorothymidine (FLT) and [18F]Fluoro-D glucose (FDG). Higher levels of choline uptake were found in the sensitive compared to the resistant cell line whereas both [18F]FLT and [18F]FDG showed higher accumulation in the resistant versus sensitive cell line. These experiments confirmed that differential responses of the sensitive and the resistant cell lines to gefitinib treatment were detectable by tracer pulse-chase. In vivo PET imaging of NSCLC xenografts using [18F]FLT, [18F]FDG and [18F]D4Choline showed that gefitinib treatment was associated with a decrease in the fractional retention of all three tracers in the sensitive but not resistant NSCLC xenografts.
Keyword Slider Tool

Keyness of Pivot Terms (Bondi, 2010)
Rhetorical Moves in Abstracts

• Bordet’s (2015, p. 49) 4-move classification system with lexical paving:
  – contextualizing the research project (Context);
  – formulating the research statement (Research statement);
  – describing the method (Method);
  – stating the results and offering their interpretation (Results).

  – Drawing on:


• Bhatia’s (1993) 4-move classification: Purpose-Method-Results-Conclusion
Rhetorical Move 1: Context

[Context_beg] The epidermal growth factor receptor (EGFR) is overexpressed in many cancers including lung, breast, head and neck and brain. Furthermore, mutations of this receptor have been shown to play crucial roles in response to EGFR-targeted therapies in non small cell lung carcinoma (NSCLC) patients. Imaging EGFR or its function using positron emission tomography (PET) could aid in selection and monitoring patient’s therapeutic response to small molecule tyrosine kinase inhibitors (TKIs) including gefitinib. [Context_end]
Lexical Paving Move 1: EGFR

The epidermal growth factor receptor (EGFR) is overexpressed in many cancers...

Imaging EGFR or its function using positron emission tomography (PET) could aid in selection and monitoring patient’s therapeutic response to small molecule tyrosine kinase inhibitors (TKIs) including gefitinib.
Rhetorical move 2: Research statement

[Research statement_beg] The aims of this project are first to further investigate the use of a series of cyanoquinoline tracers for imaging the EGFR and second to assess the role of PET imaging to predict early response to EGFR directed therapy such as gefitinib. [Research statement_end]
Lexical Paving Move 2: EGFR

[Research statement] The aims of this project are first to further investigate the use of a series of cyanoquinoline tracers for imaging the EGFR and second to assess the role of PET imaging to predict early response to EGFR directed therapy.
Rhetorical move 3: Method

[Method_beg] First, the uptake of a representative cyanoquinoline radiotracer, $[^{18}F](2E)$-N-{{4-[(3-chloro-4-fluorophenyl)amino]-3-cyano-7-ethoxyquinolin-6-yl}}4-{{[1-(2-fluoroethyl)-1H-1,2,3-triazol-4-yl]methyl*amino}but-2-enamide ($[^{18}F]$FED6), was examined in cell lines harbouring mutant forms of EGFR. In vitro assays, evaluating the affinity of cyanoquinoline compounds for different mutant EGFR and in vivo PET imaging in NSCLC xenograft models expressing mutant or wild type (WT) EGFR were carried out. The lack of specificity for mutant vs WT EGFR and overall low tumour uptake led us to investigate the potential interaction of the radiotracer with members of the ABC transporters. In vitro experiments of radiolabelled $[^{18}F]$ showed substrate specificity of the cyanoquinoline tracer for at least two ABC transporters, ABCG2 and ABCB1. This was confirmed by inhibiting the activity of the transporters through drug and siRNA treatment. To overcome the transporter substrate specificity of FED6, investigations into a novel radiotracer, (2E)-N-{{4-[(3-chloro-4-fluorophenyl)amino]-3-cyano-7-ethoxyquinolin-6-yl}}4-{{[1-[(2R,5S)-3-fluoro-4,5-dihydroxy-6-(hydroxymethyl)oxan-2-yl]-1H-1,2,3-triazol-4-yl}methyl}amino}but-2-enamide (FED20), designed so as to limit the affinity for the ABC transporters were carried out. [Method_end]
Lexical Paving Move 3: EGFR

[Method] was examined in cell lines harbouring mutant forms of EGFR.

In vitro assays, evaluating the affinity of cyanoquinoline compounds for different mutant EGFR and in vivo PET imaging in NSCLC xenograft models expressing mutant or wild type (WT) EGFR were carried out.

The lack of specificity for mutant vs WT EGFR and overall low tumour uptake led us to investigate
Rhetorical move 4: Results

[Results_beg] These studies showed that FED20 lacked the substrate specificity for both ABCB1 and ABCG2, and maintained a strong affinity for EGFR. Second, the role of choline kinase as a biomarker of response to gefitinib treatment in sensitive vs resistant NSCLC cell lines was investigated. In vitro western blots, Q-PCR, cell viability and cell cycle analysis assays were undertaken. In vitro cell uptake experiments using tritiated choline were compared with uptake of [18F]3’ deoxy-3’ Fluorothymidine (FLT) and [18F]Fluoro-D glucose (FDG). Higher levels of choline uptake were found in the sensitive compared to the resistant cell line whereas both [18F]FLT and [18F]FDG showed higher accumulation in the resistant versus sensitive cell line. These experiments confirmed that differential responses of the sensitive and the resistant cell lines to gefitinib treatment were detectable by tracer pulse-chase. In vivo PET imaging of NSCLC xenografts using [18F]FLT, [18F]FDG and [18F]D4Choline showed that gefitinib treatment was associated with a decrease in the fractional retention of all three tracers in the sensitive but not resistant NSCLC xenografts. [Results_end]
Lexical Paving Move 4: \textit{EGFR}

[Results] \textit{These studies showed that} FED20 lacked the \textit{substrate specificity} for both ABCB1 and ABCG2, and \textit{maintained a strong affinity} for \textit{EGFR}.
PHD ABSTRACT COLLECTIONS: LEXICAL PAVING – TEXT LEVEL EXAMPLE 2
Arts and Humanities PhD Abstract: Key Pivot Terms

PhD Abstracts (Arts and Humanities)

About Collection  Search  Browse by Discipline  Collocations  Wordlist  Lexical Bundles

Romantic posthumous life writing: inter-stitching genres and forms of mourning and commemoration

Keywords

Contemporary scholarship has seen increasing interest in the study of elegy. The present work attempts to elevate and expand discussions of death and survival beyond the ambit of elegy to a more genre-inclusive and ethically sensitive survey of Romantic posthumous life writings. Combining an ethic of remembrance founded on mutual fulfilment and reciprocal care with the Romantic tendency to hybridise different genres of mourning and commemoration, the study re-conceives 'posthumous life' as the 'inexhaustible' product of endless collaboration between the dead, the dying and the living. This thesis looks to the philosophical meditations of Francis Bacon, John Locke and Emmanuel Levinas for an ethical framework of human protection, fulfilment and preservation. In an effort to locate the origins of posthumous life writing, the study navigates the philosophical context in which different genres and media of commemoration emerged in the eighteenth century. Accordingly, it will consider the Romantic and posthumous sympathy and the threat of death. The second part of the chapter turns to the tangled histories of epitaph, biographical and memorial writing of Samuel Johnson, Henry Kett, Vicesimus Knox, William Godwin and William Wordsworth. The Romantic culture of mourning and memory is also marked by a re-emergence of the Enlightenment. Hence, Chapter Two will try to uncover the complex generic and formal crossovers between epitaph (1835-7) and his 'Epitaph' (1835-7) for Charles Lamb. However, the chapter concludes with an inadequate, even mortifying, treatment of a fellow woman writer in his otherwise successful expression of ethical remembrance. For her part, Chapter Three will take a close look at Letitia Elizabeth Landon's reply To Wordsworth's incompetent defence of Felicia Hemans in her poem. ‘Felicia Hemans’ (1838) is an audacious composite of autobiograph, epitaph, elegy, corrective to Longfellow's portrait, portraiture. The two closing chapters respond to Thomas Carlyle's outspoken confidence in 'Portraits and Letters' as indispensable to biographies. Chapter Four identifies a tentative connection between the aesthetic of visual portraiture and the ethic of life writing. To demonstrate the convergence of both artistic and humane principles, this cross-media analysis will first evaluate Sir Joshua Reynolds's memoirs of his deceased friends. Then, it will compare Wordsworth's and Hemans's verse reflections on the commemorative power and limitation of iconography. The last chapter assesses the role of private correspondence in the continuation of familiar relation and reciprocal support. Landon's dramatic enactment of a 'feminine Robinson Crusoe' in her letters from Africa urges the unbroken offering of service and remembrance to a fallen friend through posthumous correspondence. The concluding section will consider the ethical implications for the belated memorials and services furnished by friends and colleagues in the wake of her death.

http://flax.nzl.org/greenstone3/flax?
a=d&c=PAAH&d=HASHd8c8320ed33c1482e223&dt=simple&sid=1&p.a=q&p.sa=&p.s=AdvancedFieldQuery
Lexical paving: *ethic*/*ethical*

an **ethic** of **remembrance**

an **ethical** framework of human protection

the **ethical** repercussions of

his otherwise successful expression of **ethical remembrance**.

the **ethic** of life writing.

*The concluding section will consider* the **ethical** implications for the...
[Research statement] The present work attempts to elevate and expand discussions of death and survival beyond the ambit of elegy to a more genre-inclusive and ethically sensitive survey of Romantic posthumous life writings.

[Method]...the study re-conceives 'posthumous life' as the 'inexhaustible' product of endless collaboration between the dead, the dying and the living.

[Method] In an effort to locate the origin of posthumous life writing,

[Method]... commence with a survey of Enlightenment attitudes toward posthumous sympathy and the threat of death.

... urges the unbroken offering of service and remembrance to a fallen friend through posthumous correspondence.
PHD ABSTRACT COLLECTIONS: LEXICAL PAVING – OVER TO YOU!
PHD ABSTRACT COLLECTIONS: LINKING TO FURTHER OPEN RESOURCES AT CORPUS LEVEL
Search for Key Terms

PhD Abstracts (Life Sciences)

Search Words in Collection

Search Result: 40 sentences found

Search for sentences that contain the words overexpressed

Search/“overexpressed”

http://flax.nzdl.org/greenstone3/flax?a=b&rt=r&s=ClassifierBrowse&cl=CL1&c=PASS&if=flax
Word Lists

PhD Abstracts (Life Sciences)

Wordlist/AWL

academic Words

http://flax.nzdl.org/greenstone3/flax?a=g&rt=r&s=FlaxWordList&sa=FlaxWordQuery&c=PALS&s1.listType=3000&if=
Top 100 Collocations

Collocations/Save

http://flax.nzdl.org/greenstone3/flax?
c=PALS&a=g&rt=r&sa=FlaxCollocationRetrieve&s=FlaxCollocationListRetrieve&s1.maxCount=100
These powerful collections draw on large reference corpora like the British National Corpus (BNC) and even larger datasets from Google and Wikipedia. More powerful than a dictionary, these collections show numerous examples of language in context for some of the most challenging areas of English language learning - collocations and phrases - where there are literally hundreds of thousands of possibilities for combining words.

Learning Collocations
Book Phrases
Web Phrases
Web Collocations

Contemporary English (Wikipedia)
Link to the Collocation Learning System with the Wikipedia Corpus in FLAX (Wu, Li, Witten & Yu, 2016)

http://flax.nzdl.org/greenstone3/flax?
a=g&rt=r&sa=CollocationQuery&s=CollocationQuery&s1.title=&c=collocations&s1.threshold=0.5&s1.startNum=0&s1.perPage=20&s1.sampleNum=10&s1.type=&s1.wordType=&s1.colloType=&s1.query=role&s1.dbName=Wikipedia
Lexical Bundles
Biber et al. (2004, 2007)

http://flax.nzdl.org/greenstone3/flax?a=g&rt=r&s=FlaxLexicalBundle&sa=FlaxLexicalBundle&c=PALS
Wikification 1
(Milne & Witten, 2013)

http://flax.nzdl.org/greenstone3/flax?
a=d&c=PAAH&d=HASHd8c8320ed33c1482e223&dt=simple&sib=1&p.a=q&p.sa=&p.s=AdvancedFieldQuery

"William Wordsworth"
William Wordsworth

From Wikipedia, the free encyclopedia

"Wordsworth" redirects here. For other uses, see Wordsworth (disambiguation).
For the Scottish composer, see William Wordsworth (composer).

William Wordsworth (7 April 1770 – 23 April 1850) was a major English Romantic poet who, with Samuel Taylor Coleridge, helped to launch the Romantic Age in English literature with their joint publication Lyrical Ballads (1798).

Wordsworth's magnum opus is generally considered to be The Prelude, a semiautobiographical poem of his early years that he revised and expanded a number of times. It was posthumously titled and published, before which it was generally known as "the poem to Coleridge". [1] Wordsworth was Britain's Poet Laureate from 1843 until his death from pleurisy on 23 April 1850. [2]

Contents [hide]

1 Early life
2 Relationship with Annette Vallon
3 First publication and Lyrical Ballads
4 The Borderers
5 Germany and move to the Lake District
6 Marriage and children
7 Autobiographical work and Poems in Two Volumes
8 The Prospectus
9 Laureateship and other honours
10 Death

Investigation of positron emission tomography for pharmacological assessment of epidermal growth factor receptor-directed therapies

The epidermal growth factor receptor (Epidermal growth factor receptor) is Gene expression in many Cancers including lung, breast, head and neck and brain. Furthermore, Mutation of this Receptor (biochemistry) have been shown to play crucial roles in response to Epidermal growth factor receptor-Targeted therapy in non Small-cell carcinoma (Non-small-cell lung carcinoma) patients. Imaging Epidermal growth factor receptor or its function using positron emission tomography (Positron emission tomography) could aid in selection and monitoring patients Therapy response to small molecule Protein kinase inhibitor (TKI) including gefitinib. The aims of this project are first to further investigate the use of a series of cyanquinolone Isotopic labeling for imaging the Epidermal growth factor receptor directed therapy such as gefitinib. First, the uptake of 7-ethyl-6-(2-fluoroethyl-1H-1,2,3-triazolo[4,5-b]pyridine) has been confirmed by inhibiting the activity of a substrate (biology) of FED6, investigations into a novel Ras

4,5-dihydroxy-6-(hydroxymethyl)oxan-2-y1]-1H-1,2,3-triazolo[4,5-b]pyridine were carried out. These studies showed that FED20 lack of receptor. Second, the role of choline kinase as a biomarker with factor Epidermal growth factor receptor expression for mutant vs

http://flax.nzl.org/greenstone3/flax? a=d&c=PALS&d=HASH03e49ead43ab3231a28245&dt=simple&sit=1&p.a=q&p.sa=&p.s=AdvancedFieldQuery
Gefitinib

From Wikipedia, the free encyclopedia

For the genus of moth, see IVERSA (moth).

**Gefitinib** (ZD1839) (INN, /gɛˈfiːtɪnɪb/; trade name Iressa[^1]) is a drug used for certain breast, lung and other cancers. Gefitinib is an **EGFR inhibitor**, like erlotinib, which interrupts signaling through the **epidermal growth factor receptor** (EGFR) in target cells. Therefore, it is only effective in cancers with mutated and overactive EGFR. It is marketed by AstraZeneca and Teva.

**Mechanism of action**[^edit]

Gefitinib is the first selective inhibitor of epidermal growth factor receptor's (EGFR) tyrosine kinase domain. Thus gefitinib is an EGFR inhibitor. The target protein (EGFR) is a family of receptors which includes Her1(erb-B1), Her2(erb-B2), and

[^1]: https://en.wikipedia.org/wiki/Gefitinib
EMBEDDING THE PHD ABSTRACT COLLECTIONS: EAP AT QMUL
Data-Driven Learning Resources

EAP at QMUL
Using FLAX (A Flexible Language Acquisition System)

With FLAX you can explore collections of writing to discover how language is used. It is particularly helpful for developing your knowledge of collocation (word combinations) and phrase structures in English.

During the presessional you may find it helpful to work with the academic English collections below:

- The British Academic Written English (BAWE) Collection
  This is a collection of pieces of successful student writing (including essays, reports and other assignment types or genres). You can use these to develop your understanding of how language is used in good examples of authentic academic writing by students at Undergraduate and taught Masters level in the UK.

- Social Sciences Collection (BAWE)

- Physical Sciences Collection (BAWE)

- Life Sciences Collection (BAWE)

- Arts and Humanities Collection (BAWE)

The FLAX BAWE Collections
Exploring EAP in Use

Chris Mansfield
Queen Mary Language Centre
Presessional 2015 Self-study Tutorial

FLAX Video Tutorial (1)

- The PhD Abstracts Collections (ETHOS at the British Library)
  These collections of short academic texts by doctoral candidates have been built using FLAX by Chris Mansfield and Martin Barge of the QMUL Language Centre, especially for use by our presessional students during Courses B and C. They provide strong examples of more developed academic writing styles and voices that you can learn from and they include language practice activities. You will find links to these in the Course B and C areas on this page.

  The new FLAX apps for mobile devices (currently Android only) can be found here and these can be used with the activities we have designed for the British Library ETHOS collections.
Using the texts and activities from the ETHOS for EAP collections (hosted by FLAX) can help you to develop your awareness and control of language use and writing practices currently appropriate to UK HE. The collections are based on the PhD theses from British universities held by the British Library.

- Social Sciences Collection
- Arts & Humanities Collection
- Life Sciences Collection
- Physical Sciences Collection

Development Activity 2

Recognising and reporting the **controlling ideas** of academic texts.

Select 3 texts from the 'Micro Library' collection which includes your field of study. Identify the **controlling idea** of the work each describes. Click 'New Topic' in the forum in your QMPlus Hub Group and post your own accurate paraphrases* of these ideas as three **coherent propositions**, prefixed by an appropriate **minimal in-text citation** to the full text.

* These should be **reportive** not interpretative and each of the 3 should be a coherent and cohesive proposition. You should attempt to draft a single sentence for each, which may be simple, compound or complex as necessary. Linguistic accuracy is essential. Pay particular attention to Noun Phrase (NP) structure.

**Classify the claims** of your three chosen texts according to the guidelines in the document below:

- [Different types of claim](#) 100.3KB

Development Activity 3

Repeat the 'controlling ideas' practice activity for each of the three texts you have chosen to begin your personal reading list.
Review Task

Select a text from the EThOS micro-library that you can engage with personally. Review the text for the following English language areas covered in 'Grammar in Context 1' in semester 1.

Suggested noun grammar foci: 1. NP heads 2. Use of determiners 3. Pre-modifying descriptors (flexible word combinations and fixed/frozen collocations) 4. Post-modifying definition through relativisation


Sentence Structure focus: Identify and differentiate between simple, compound and complex sentences in your chosen text.

Resources

An Academic Word List

Core vocabulary employed in academic study and writing in English across the full range of disciplines.

You should be exploring the usage of these terms in phrasal structures from the texts you read for your own studies and by using a concordancer such as Sketch Engine or a language development tool like FLAX (see below).

Academic Word List 222.4KB

Sketch Engine Concordancer

Use the Sketch Engine Concordancer and British Academic Written Corpus (BAWE) in conjunction with the AWL (above) to explore patterns of language use in university writing in the UK.

Academic English Online

Grammar in Context 2 2016/7 - Micro-Library

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Social Sciences Collection

Arts and Humanities Collection
References

Thank You

Special Thanks:
Mahendra Mahey of British Library Labs
Sara Gould and Rosie Heather of EThOS at the British Library
The International Research Foundation (TIRF) for English Language Education

FLAX Language Project & Software Downloads: http://flax.nzdl.org/
FLAX Language Project Research:
https://www.researchgate.net/project/FLAX-Flexible-Language-Acquisition-flaxnzdlorg
The How-to eBook of FLAX:
FLAX Game-based Apps for Android via Google Play Store (free):
https://play.google.com/store/apps/developer?id=FLAX%20TEAM&hl=en

Ian Witten (FLAX Project Lead): ihw@cs.waikato.ac.nz
Shaoqun Wu (FLAX Research and Development): shaoqun@waikato.ac.nz
Alannah Fitzgerald (FLAX Open Language Research): a_fitzg@education.concordia.ca
Chris Mansfield (Queen Mary Language Centre): c.mansfield@qmul.ac.uk

TOETOE Technology for Open English Blog: www.alannahfitzgerald.org
Slideshare: http://www.slideshare.net/AlannahOpenEd/
Twitter: @AlannahFitz