



Springer

science+business media

New SpringerLink...

Searching on SpringerLink



springer.com springerpro

SpringerLink

SEARCH FOR ALL COIITEIT

GO Advanced Search

AUTHOR PUBLICATION TITLE VOLUME ISSUE PAGE Search Tips

HOME MY SPRINGERLINK BROWSE TOOLS HELP

BROWSE 4,479,079 Content Items

BROWSE PUBLICATIONS BY CONTENT TYPE

Subject Collection

- ▶ Architecture and Design
- ▶ Behavioral Science
- ▶ Biomedical and Life Sciences
- ▶ Business and Economics
- ▶ Chemistry and Materials Science

Journals	Books	Book Series	eRef
2,107	32,857	1,038	148

- 1 Quick Search Box is now in the same location on EVERY page of the site. Users no longer have to go looking for it!

Searching on SpringerLink | Advanced Search

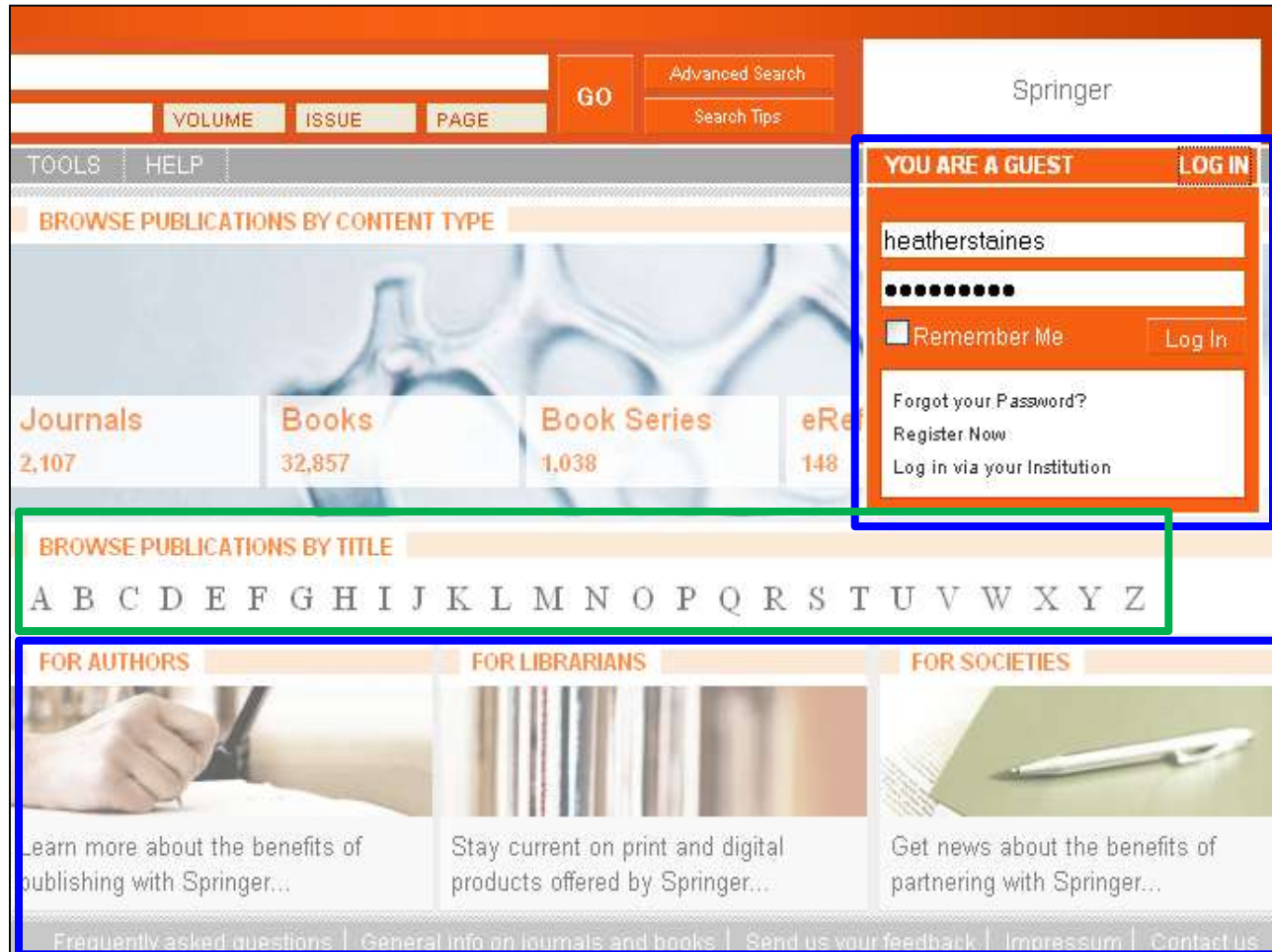
The screenshot shows the SpringerLink Advanced Search page. At the top right, there is a link for 'Advanced Search' (callout 1). Below it, there are input fields for 'DOI', 'AUTHOR', and 'EDITOR'. A callout (2) points to the 'CITATION' search mode, which includes fields for 'PUBLICATION (TITLE, DOI, ISSN OR ISBN)', 'VOLUME', 'ISSUE', and 'PAGE'. Below these are 'CATEGORY AND DATE LIMITERS' with a dropdown for 'All Categories' and radio buttons for 'ENTIRE RANGE OF PUBLICATION DATES' and 'PUBLICATION DATES BETWEEN'. The latter has 'START DATE' and 'END DATE' input fields. To the right, 'ORDER OF RESULTS' options are shown: 'MOST RELEVANT FIRST' (selected), 'MOST RECENTLY PUBLISHED FIRST', and 'ALPHABETICAL'. A 'GO' button is at the bottom right. A callout (3) points to the 'ORDER OF RESULTS' section.

Search with 'Citation' allows researchers to directly find the content they already know.

The advanced search box drops down from any page

Researchers can now choose in advance how they would like their results to be ordered.

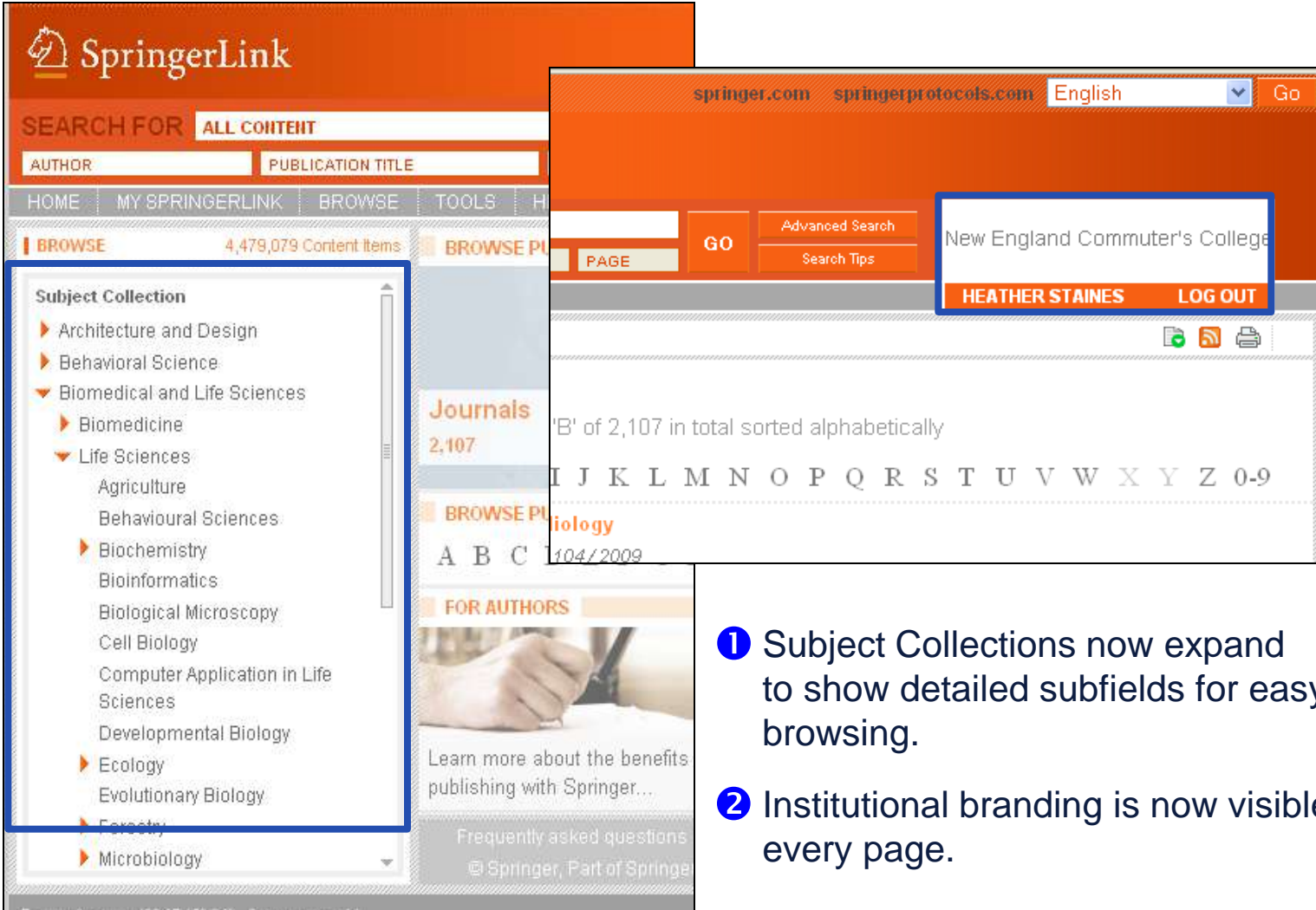
The Home Page



The screenshot shows the SpringerLink home page interface. At the top, there is a search bar with a 'GO' button and links for 'Advanced Search' and 'Search Tips'. Below the search bar are navigation links for 'VOLUME', 'ISSUE', and 'PAGE'. A 'TOOLS' and 'HELP' menu is also present. The main content area is divided into sections: 'BROWSE PUBLICATIONS BY CONTENT TYPE' with a grid of categories (Journals: 2,107; Books: 32,857; Book Series: 1,038; eReferences: 148) and 'BROWSE PUBLICATIONS BY TITLE' with an A-Z list. At the bottom, there are three columns for 'FOR AUTHORS', 'FOR LIBRARIANS', and 'FOR SOCIETIES', each with a brief description and a call to action. A footer contains links for 'Frequently asked questions', 'General info on journals and books', 'Send us your feedback', 'Impressum', and 'Contact us'.

- ① Login box available from every page. No need to return to home page to login.
- ② New A-Z List reduces the need for scrolling.
- ③ Easy access to services on springer.com.

The Home Page

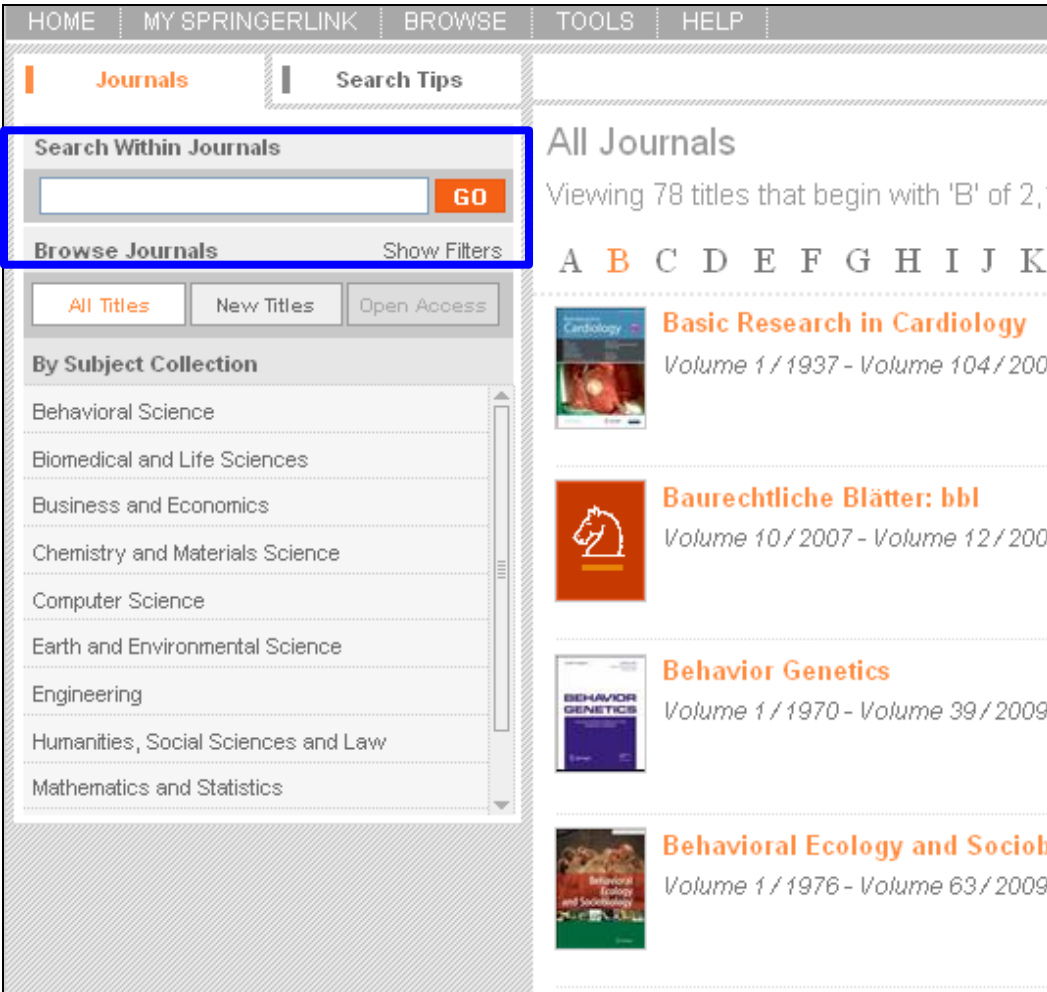


The screenshot shows the SpringerLink home page. Callout 1 points to the 'Subject Collection' menu on the left, which lists various scientific fields. Callout 2 points to the user profile area at the top right, which displays the user's name 'HEATHER STAINES' and a 'LOG OUT' button. The page also features a search bar, navigation tabs, and a list of journals.

1 Subject Collections now expand to show detailed subfields for easy browsing.

2 Institutional branding is now visible on every page.

Search within Content Type



The screenshot displays the SpringerLink interface. At the top, there are navigation tabs: HOME, MY SPRINGERLINK, BROWSE, TOOLS, and HELP. Below these, there are two main sections: 'Journals' and 'Search Tips'. The 'Search Within Journals' section is highlighted with a blue box and a circled '1'. It contains a search input field and a 'GO' button. Below this, there is a 'Browse Journals' section with a 'Show Filters' link. Underneath, there are three buttons: 'All Titles', 'New Titles', and 'Open Access'. A 'By Subject Collection' section follows, listing various subject areas: Behavioral Science, Biomedical and Life Sciences, Business and Economics, Chemistry and Materials Science, Computer Science, Earth and Environmental Science, Engineering, Humanities, Social Sciences and Law, and Mathematics and Statistics. The main content area on the right is titled 'All Journals' and shows a list of journals starting with 'B'. The first four journals listed are: 'Basic Research in Cardiology', 'Baurechtliche Blätter: bbl', 'Behavior Genetics', and 'Behavioral Ecology and Sociobiology'. Each journal entry includes a small thumbnail image and the volume range.

- 1 Search within Journals or eBooks allows for easy searching within specific content types.

Journal Features



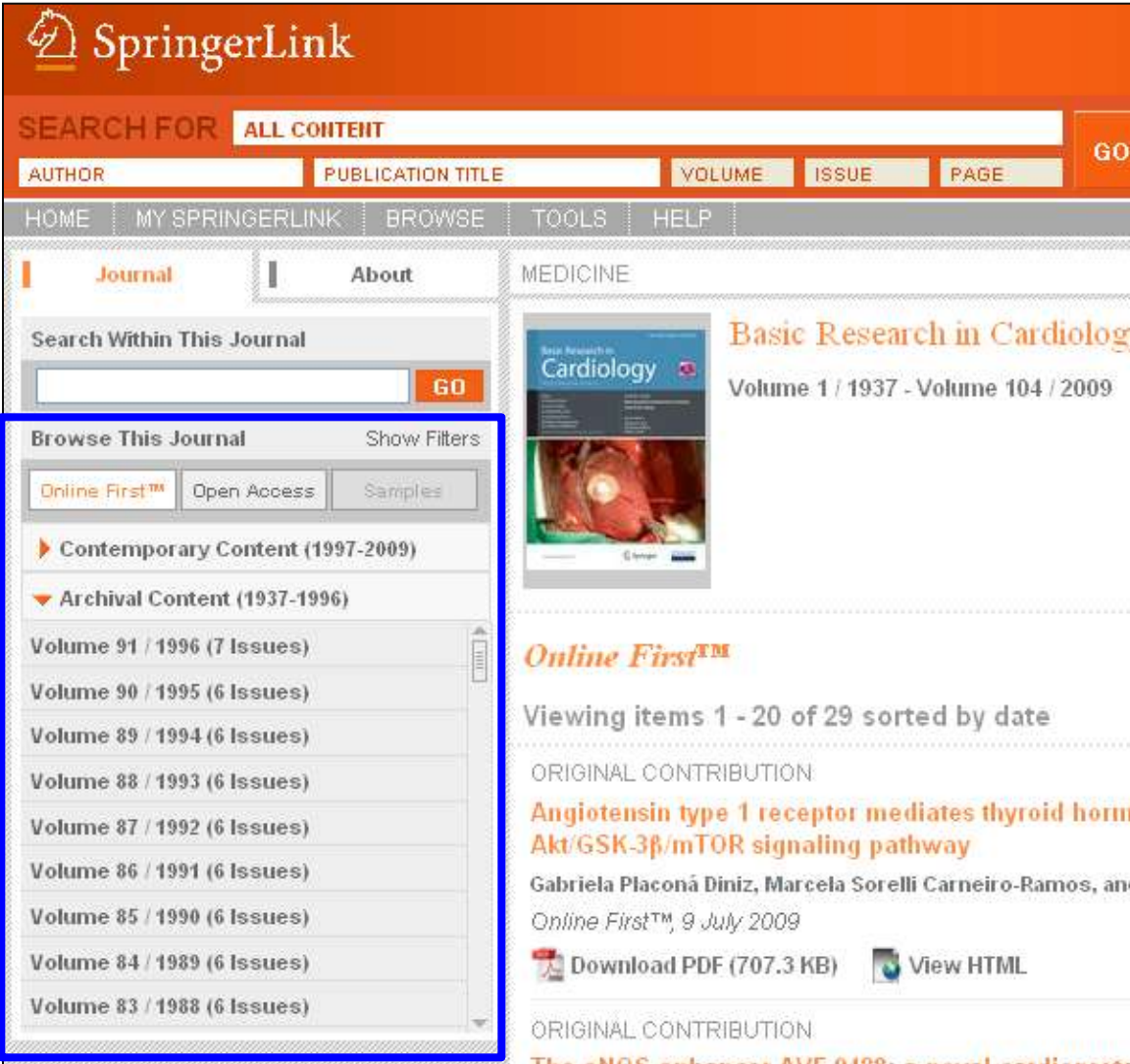
The screenshot shows the 'Journal' tab selected. At the top, there is a search bar with the text 'Search Within This Journal' and a 'GO' button. Below the search bar, there are two filter buttons: 'Online First™' and 'Open Access', with the 'Open Access' button highlighted by a blue box and a circled '1'. To the right of these buttons is a 'Show Filters' link. Below the filters, there is a section for 'Contemporary Content (1997-2009)' with a dropdown arrow. Underneath, there are two volume sections: 'Volume 104' and 'Volume 103'. 'Volume 104' includes issues from Number 5 (September 2009) to Number 1 (January 2009). 'Volume 103' includes issue Number 6 (November 2008).

- 1 Articles can be filtered to show Online First and Open Access articles only.
- 2 The journal history notes indicate any title changes, mergers or title splits.



The screenshot shows the journal history page for 'Basic Research in Cardiology'. At the top, there are navigation links: 'Add to My Items', 'Share this item', and social media icons. The journal title 'Basic Research in Cardiology' is displayed in orange. Below it, the volume range 'Volume 1 / 1937 - Volume 104 / 2009' is shown. A blue box highlights a text block that reads: 'From Volume 1 (1937) to Volume 14 (1944) Issue 5 and from Volume 14 (1948) Issue 6 to Volume 67 (1972), this journal was published as *Archiv für Kreislaufforschung*.' A circled '2' is placed to the right of this text block. Below the history note, there is a section for 'Open Access' with the text 'Articles available with full open access'. Underneath, it says 'Viewing items 1 - 10 of 14 sorted by date' and provides navigation links: 'First', 'Previous', '1', '2', 'Next'. The first article is listed as 'ORIGINAL CONTRIBUTION' with 'Online First' and 'Open Access' buttons. The article title is 'K201 improves aspects of the contractile performance of human failing myocardium via reduction in Ca²⁺ leak from the sarcoplasmic reticulum'.

Browsing Journal Content



The screenshot displays the SpringerLink interface for the journal 'Basic Research in Cardiology'. The page includes a search bar at the top, navigation tabs (HOME, MY SPRINGERLINK, BROWSE, TOOLS, HELP), and a 'Journal' tab. The 'Browse This Journal' section is highlighted with a blue box and a circled '1'. It features a 'Show Filters' button and three filter buttons: 'Online First™', 'Open Access', and 'Samples'. Below the filters, there are two main sections: 'Contemporary Content (1997-2009)' and 'Archival Content (1937-1996)'. The 'Archival Content' section is expanded, showing a list of volumes from 1988 to 1996. The 'Online First™' section is also visible, showing a list of items with a 'Viewing items 1 - 20 of 29 sorted by date' indicator. The 'Original Contribution' section is partially visible at the bottom.

1 All journal content available is instantly visible, including archival content.

The Issue Page

MEDICINE

1

Basic Research in Cardiology
Volume 1 / 1937 - Volume 105 / 2010
From Volume 1 (1937) to Volume 14 (1944) Issue 5 and from Volume 14 (1948) Issue 6 to Volume 67 (1972), this journal was published as *Archiv für Kreislaufforschung*.

2

Volume 104, Number 4 / July 2009
Viewing all 9 articles

ORIGINAL CONTRIBUTION 359-365
Effects of the NO donor sodium nitroprusside on oxygen consumption and energetics in rabbit myocardium
Mark Hünlich and Gerd Hasenfuss
Download PDF (254.4 KB) View HTML Show Abstract

ORIGINAL CONTRIBUTION 366-376
Tyrosine hydroxylase phosphorylation after naloxone-induced morphine withdrawal in the left ventricle
Pilar Almela, Maria Victoria Milanés and Maria Luisa Laorden
Download PDF (389.9 KB) View HTML Show Abstract

- 1 Journal information is clearly visible.
- 2 Volume and issue number also clearly noted.

Revealing the Abstract

Volume 104, Number 4 / July 2009

Viewing all 9 articles

ORIGINAL CONTRIBUTION

359-365

Effects of the NO donor sodium nitroprusside on oxygen consumption and energetics in rabbit myocardium

Mark Hünlich and Gerd Hasenfuss

 Download PDF (254.4 KB)  View HTML

1

Show Abstract

ORIGINAL CONTRIBUTION

366-376

Tyrosine hydroxylase phosphorylation after naloxone-induced morphine withdrawal in the left ventricle

Pilar Almela, Maria Victoria Milanés and Maria Luisa Laorden

 Download PDF (389.9 KB)  View HTML

Hide Abstract

Abstract

Our previous studies have shown that morphine withdrawal induced hyperactivity of cardiac noradrenergic pathways. The purpose of the present study was to evaluate the effects of morphine withdrawal on site-specific tyrosine hydroxylase (TH) phosphorylation in the rat left ventricle. Dependence on morphine was induced by a 7-day s.c. implantation of morphine pellets. Morphine withdrawal was precipitated on day 8 by an injection of naloxone (2 mg/kg, s.c.). TH phosphorylation was determined by quantitative blot immunolabelling using phosphorylation state-specific antibodies. Ninety min after naloxone administration to morphine-dependent rats there was an increase in phospho-Ser40-TH ($139.0 \pm 13\%$, $P < 0.05$) and Ser31-TH ($135.5 \pm 11\%$, $P < 0.05$) in the left ventricle which is associated with both an increase in total TH levels ($114.4 \pm 4.6\%$, $P < 0.05$, $P < 0.01$) and an enhancement of TH activity (51.0 ± 11 dm/ μ g protein, $P < 0.001$). When HA-1004 (40 nmol/day), inhibitor of cyclic AMP dependent protein kinase (PKA) was infused, concomitantly with morphine, it diminished the increase in noradrenaline (NA) turnover, total TH expression ($95.76 \pm 4.1\%$, $P < 0.01$) and TH phosphorylation at Ser40 ($85.5 \pm 11\%$, $P < 0.01$) in morphine-withdrawn rats. In addition, we showed that the ability of

- 1 Click "Show Abstract" to reveal the abstract.
- 2 The abstract can be reviewed without leaving the search results.

2

Related Documents



1

Related | Issue | Journal

MEDICINE

View Related Documents

Journal Article

Expression of iNO scavenging hemoglobin is involved in the timing of bolting in *Arabidopsis thaliana* Kim Henrik Hebelstrup

Journal Article

Nitric oxide plays a central role in determining lateral root development in tomato Natalia Correa-Aragunde

Book Chapter

Inhibition of Apoptosis by Taurine in Macrophages Treated with Sodium Nitroprusside So Young Kim

Journal Article

Expression of iNO scavenging hemoglobin is involved in the timing of bolting in *Arabidopsis thaliana* Kim

BASIC RESEARCH IN CARDIOLOGY
Volume 104, Number 4, 359-365, DOI: 10.1007/s00395-00

ORIGINAL CONTRIBUTION
Effects of the NO donor sodium nitroprusside on myocardial energetics in rabbit papillary muscles
Mark Hünlich and Gerd Hasenfuss

[Download PDF](#) [View HTML](#)

Abstract

Nitric oxide (NO) has influence on various cellular myocardial energetics. In the present study oxygen isometrically contracting rabbit papillary muscles (PAM) were exposed to various interventions while maintaining physiological conditions. The NO donor sodium nitroprusside (SNP) (0.1 μmol/L) increased oxygen consumption (V̇O₂) and myocardial energetics. The NO donor sodium nitroprusside (SNP) (0.1 μmol/L) increased oxygen consumption (V̇O₂) and myocardial energetics.

- 1** The new SpringerLink shows researchers the most closely related documents on article and chapter level.

Mousing over Related Documents



The screenshot shows the SpringerLink interface. On the left, a sidebar titled "View Related Documents" contains a list of related articles. A blue circle with the number "1" is positioned over the first item in the list. The main content area displays a preview for the article "Expression of NO scavenging hemoglobin is involved in the timing of bolting in *Arabidopsis thaliana*" by Kim Henrik Hebelstrup and Erik Østergaard Jensen. The preview includes the journal title "PLANTA", volume and page information, and a "Download PDF" button. Below the preview, an "Abstract" section is visible, starting with "Plants contain three classes of hemoglobin genes...".

View Related Documents 1

Journal Article

Expression of NO scavenging hemoglobin is involved in the timing of bolting in *Arabidopsis thaliana* Kim Henrik Hebelstrup

Journal Article

Nitric oxide plays a central role in determining lateral root development in tomato Natalia Correa-Aragunde

Book Chapter

Inhibition of Apoptosis by Taurine in Macrophages Treated with Sodium Nitroprusside So Young Kim

Journal Article

Expression of NO scavenging hemoglobin is involved in the timing of bolting in *Arabidopsis thaliana* Kim

PLANTA

Expression of NO scavenging hemoglobin is involved in the timing of bolting in *Arabidopsis thaliana*

Kim Henrik Hebelstrup and Erik Østergaard Jensen

Volume 227, Number 4, Pages 917-927

Download PDF HTML

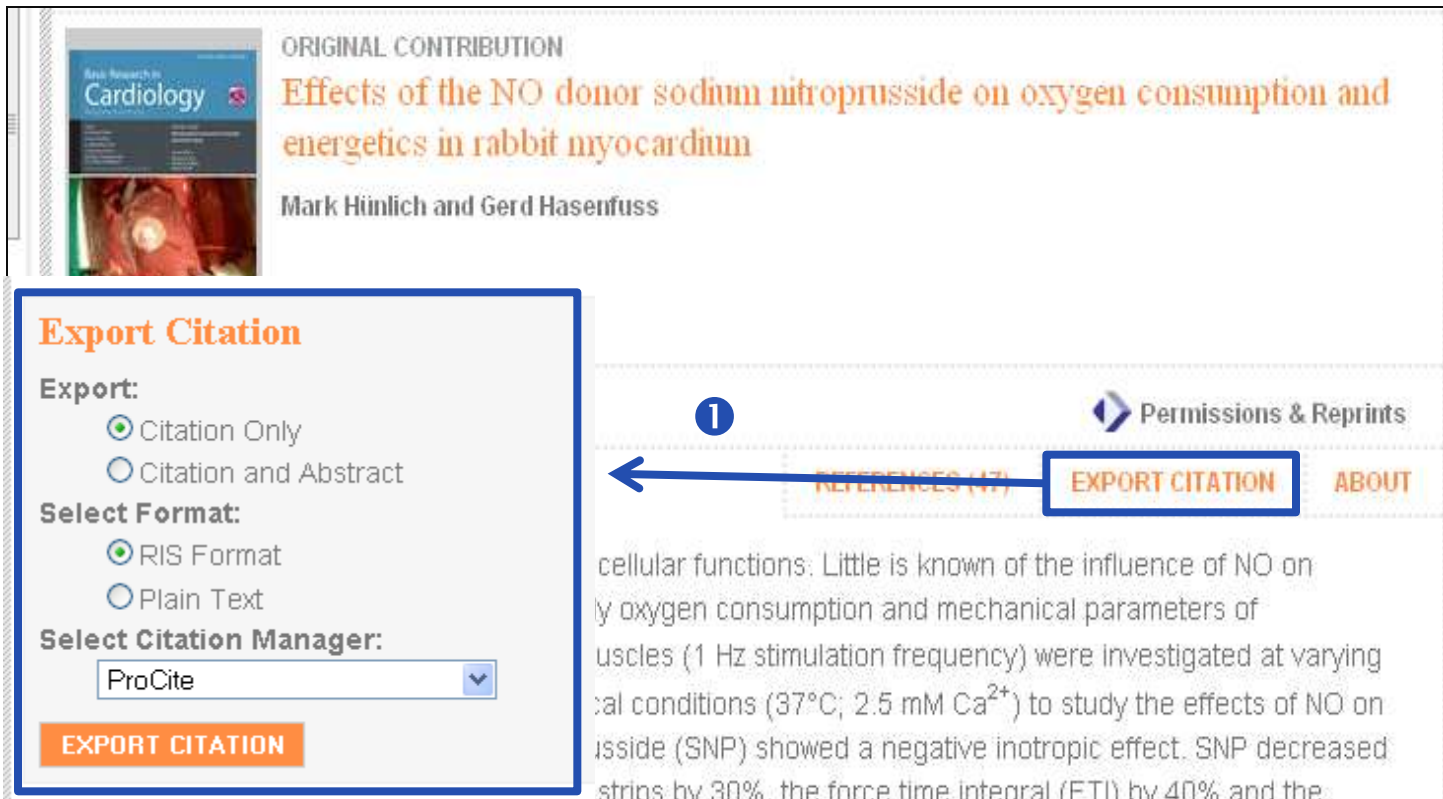
Abstract

Plants contain three classes of hemoglobin genes of which two, class 1 and class 2, have a structure similar to classical vertebrate globins. We investigated the effect of silencing the class 1 non-symbiotic hemoglobin gene, *GLB1*, and the effect of overexpression of *GLB1* or the class 2 non-symbiotic hemoglobin gene, *GLB2*, in *Arabidopsis thaliana*. Lines with *GLB1* silencing had a significant delay of bolting and after bolting, shoots reverted to the rosette vegetative phase by formation of aerial rosettes at lateral meristems. Lines with overexpression of *GLB1* or *GLB2* bolted earlier than wild type plants. By germinating the lines in a medium containing the nitric oxide (NO) donor, sodium nitroprusside (SNP), it was demonstrated that both *GLB1* and *GLB2* promote bolting

energetics. The NO donor sodium nitroprusside (SNP) showed a negative inotropic effect. SN

- 1 Mousing over a "Related Documents" causes a mini-abstract screen to pop up, so researchers can review an item without leaving the original article!

Export Citations



The screenshot displays a Springer article page for the paper "Effects of the NO donor sodium nitroprusside on oxygen consumption and energetics in rabbit myocardium" by Mark Hinlich and Gerd Hasenfuss. The article is categorized as an "ORIGINAL CONTRIBUTION" and is published in "Basic Research in Cardiology".

The "Export Citation" tool is highlighted with a blue box and a circled '1'. It includes the following options:

- Export:**
 - Citation Only
 - Citation and Abstract
- Select Format:**
 - RIS Format
 - Plain Text
- Select Citation Manager:** ProCite (selected)

An orange "EXPORT CITATION" button is located at the bottom of the tool. A blue arrow points from this button to the "EXPORT CITATION" link in the article's navigation bar, which also includes "REFERENCES (47)", "ABOUT", and "Permissions & Reprints".

The article text begins with: "cellular functions: Little is known of the influence of NO on ly oxygen consumption and mechanical parameters of uscles (1 Hz stimulation frequency) were investigated at varying al conditions (37°C; 2.5 mM Ca²⁺) to study the effects of NO on sside (SNP) showed a negative inotropic effect. SNP decreased strips by 30%, the force time integral (FTI) by 40% and the

❶ Export Citation tool is easily visible and supports the most popular citation programs

References & “Cited By”



BIOMEDICAL AND LIFE SCIENCES

PLANTA
Volume 227, Number 4, 917-927, DOI: 10.1007/s00425-007-0667-z

 ORIGINAL ARTICLE
Expression of NO scavenging hemoglobin is involved in the timing of bolting in *Arabidopsis thaliana*
Kim Henrik Hebelstrup and Erik Østergaard Jensen

 Download PDF (650.6 KB)  View HTML

1 REFERENCES (39) **2** CITED BY (1) EXPORT CITATION ABOUT

Abstract

Plants contain three classes of hemoglobin genes of which two, class 1 and class 2, have a structure similar to classical vertebrate globins. We investigated the effect of silencing the class 1 non-symbiotic hemoglobin

- 1 Article references are easily viewed from the abstract page.
- 2 “Cited By” links to articles which cite the current article.

Thank you!

Elwin Gardeur

Licensing Manager Sales

Springer Science+Business Media

Corporate library Sales Benelux, Eastern Europe & Israel/New Business ROW

tel. +31 (0)78 657 67 37

mob. +31 (0)6 460 463 85

Elwin.gardeur@springer.com