ArticleReach

Tim Auger
Director, eContent and Resource Sharing
What is ArticleReach?

• SaaS Document Delivery
• A combined catalog of international journal collections
• Authorized users from each library may request articles from other member libraries journals by requesting them
  – online in the ArticleReach Direct Catalog
  – or through their home libraries electronic indexes
    • EBSCOHost
    • Google Scholar
Wouldn’t it be great if …

- Articles could be requested wherever user finds a citation?
- Suppliers are located automatically?
- Same day delivery directly to patron?
- Staff processing is minimal?
- Completely integrated with Sierra and Encore?
- Real-time record and transactional updates?
- Tailored to the needs of the library and the consortium?

In other words, you had INN-Reach for articles!
Major Benefits

• Cuts ILL costs and saves staff time
• Brings more articles to users
• Delivers full text to the user’s desktop
• Speeds discovery-to-delivery
• Boosts user convenience
• Low total cost of ownership
Placing a Request and Getting to the Article

The patron experience
<table>
<thead>
<tr>
<th>Mark to Cancel</th>
<th>Request Id #</th>
<th>Journal / Article Title</th>
<th>Pickup Location/Delivery Information</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>28264</td>
<td>AMERICAN JOURNAL OF MEDICINE / Effect on heart rate of bitter orange, caffeine, and exercise</td>
<td>REQUESTED</td>
<td></td>
</tr>
<tr>
<td></td>
<td>28265</td>
<td>AMERICAN JOURNAL OF MEDICINE / Effect on heart rate of bitter orange, caffeine, and exercise - Reply</td>
<td>Filled</td>
<td></td>
</tr>
<tr>
<td></td>
<td>28266</td>
<td>AMERICAN JOURNAL OF CARDIOLOGY / Effects of acute administration of caffeine on vascular function</td>
<td>Filled</td>
<td></td>
</tr>
<tr>
<td></td>
<td>28268</td>
<td>Diseases of the Esophagus / Effect of caffeine on lower esophageal sphincter pressure in Thai healthy volunteers</td>
<td>REQUESTED</td>
<td></td>
</tr>
<tr>
<td></td>
<td>28273</td>
<td>PHARMACOLOGY BIOCHEMISTRY AND BEHAVIOR / ACTION PROFILES OF SMOKING AND CAFFEINE - STROOP EFFECT, EEG, AND PERIPHERAL PHYSIOLOGY</td>
<td>REQUESTED</td>
<td></td>
</tr>
<tr>
<td></td>
<td>28274</td>
<td>AMERICAN JOURNAL OF PHYSIOLOGY-ENDOCRINOLOGY AND METABOLISM / EFFECTS OF CAFFEINE ON ENERGY-METABOLISM, HEART-RATE, AND METHYLXANTHINE METABOLISM IN LEAN AND OBESE</td>
<td>REQUESTED</td>
<td></td>
</tr>
<tr>
<td>Mark to Cancel</td>
<td>Request Id #</td>
<td>Journal / Article Title</td>
<td>Pickup Location/Delivery Information</td>
<td>Status</td>
</tr>
<tr>
<td>----------------</td>
<td>-------------</td>
<td>-------------------------</td>
<td>-------------------------------------</td>
<td>--------------</td>
</tr>
<tr>
<td></td>
<td>28264</td>
<td>AMERICAN JOURNAL OF MEDICINE / Effect on heart rate of bitter orange, caffeine, and exercise</td>
<td>REQUESTED</td>
<td></td>
</tr>
<tr>
<td></td>
<td>28265</td>
<td>AMERICAN JOURNAL OF MEDICINE / Effect on heart rate of bitter orange, caffeine, and exercise - Reply</td>
<td>FILLED</td>
<td></td>
</tr>
<tr>
<td></td>
<td>28266</td>
<td>AMERICAN JOURNAL OF CARDIOLOGY / Effects of acute administration of caffeine on vascular function</td>
<td>FILLED</td>
<td></td>
</tr>
<tr>
<td></td>
<td>28268</td>
<td>Diseases of the Esophagus / Effect of caffeine on lower esophageal sphincter pressure in Thai healthy volunteers</td>
<td>REQUESTED</td>
<td></td>
</tr>
<tr>
<td></td>
<td>28273</td>
<td>PHARMACOLOGY BIOCHEMISTRY AND BEHAVIOR / ACTION PROFILES OF SMOKING AND CAFFEINE - STROOP EFFECT, EEG, AND PERIPHERAL PHYSIOLOGY</td>
<td>REQUESTED</td>
<td></td>
</tr>
<tr>
<td></td>
<td>28274</td>
<td>AMERICAN JOURNAL OF PHYSIOLOGY-ENDOCRINOLOGY AND METABOLISM / EFFECTS OF CAFFEINE ON ENERGY-METABOLISM, HEART-RATE, AND METHYLXANTHINE METABOLISM IN LEAN AND OBESE</td>
<td>REQUESTED</td>
<td></td>
</tr>
</tbody>
</table>
Effects of Acute Administration of Caffeine on Vascular Function

Takashi Umemura, MD, Keiko Ueda, MD, PhD, Kenji Nishioka, MD, Takayuki Hidaka, MD, Hiroaki Takemoto, MD, Shuji Nakamura, MD, Daisuke Jitsuiki, MD, Junko Soga, MD, Chikara Goto, PhD, Kazuaki Chayama, MD, PhD, Masao Yoshizumi, MD, PhD, and Yukihito Higashi, MD, PhD

Caffeine is the most widely used pharmacologic substance in the world. It is found in common nonessential grocery items (e.g., coffee, tea, cocoa, and chocolate). The effects of caffeine on cardiovascular diseases, including hypertension, remain controversial, and there is little information on its direct effect on vascular function. The purpose of this study was to determine the effect of caffeine on endothelial function in humans. This study was a double-blind, randomized placebo and active drug study. Forearm blood flow (FBF) responses to acetylcholine (ACh), an endothelium-dependent vasodilator, and to sodium nitroprusside, an endothelium-independent vasodilator, were evaluated in healthy young men before and after the oral administration of caffeine 300 mg (n = 10) or placebo (n = 10). FBF was measured by using a strain-gauge plethysmograph. Caffeine significantly increased systolic and diastolic blood pressures by 6.0 ± 6.0 and 2.6 ± 3.1 mm Hg (p < 0.05), respectively, but did not alter heart rate or baseline FBF. Caffeine augmented the FBF responses to ACh from 21.2 ± 7.1 to 26.6 ± 8.1 ml/min/100 ml tissue (p < 0.05), whereas sodium nitroprusside–stimulated vasodilation was not altered by caffeine administration. The intra-arterial infusion of NG-monomethyl-L-arginine, a nitric oxide synthase inhibitor, abolished the caffeine-induced augmentation of FBF response to ACh. In the placebo group, the ACh- and sodium nitroprusside–stimulated vasodilation was similar before and after the follow-up period. In conclusion, these findings suggest that the acute administration of caffeine augments endothelium-dependent vasodilation in healthy young men through an increase in nitric oxide production. © 2006 Elsevier Inc. All rights reserved. (Am J Cardiol 2006;98:1538–1541)

Table 1
Clinical characteristics of the control and caffeine groups

This study was designed to examine the effects of the acute administration of caffeine on systemic hemodynamics and
Alternative Methods

- Request from Database Lookup
- Fill in Blank Form
Staff Processing

Sierra for ArticleReach
Workflow for Borrowing Library

• NONE!
  – Successful requests require NO action by staff

• Some requests may require additional handling
  – Mediation mode can edit/upgrade request information

• Unsuccessful requests have options to
  – Cancel
  – Transmit automatically to ILL
Workflow for Supplying Library

- **Direct link from ArticleReach to ERM**
  - If shareable, can share link
  - Or, can produce a PDF and use the ArticleReach dropbox integration

- **Print Paging Slips**
  - Includes Call number & Shelving Location
  - Includes Holdings Statements

- **Pull material**

- **Scan**
  - Drop Box software to transmit
  - Scan and send

- **DONE!**
  - Automatic post to Webserver
  - Automatic notification to user
<table>
<thead>
<tr>
<th>#</th>
<th>Request ID</th>
<th>Date Paged</th>
<th>Location</th>
<th>Journal / Article Title</th>
<th>Supply Prof</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1034617</td>
<td>02-11-2015 9:54AM</td>
<td>wb</td>
<td>MCN: The American Journal of Maternal Child Nursing / Understanding Child Feeding Pro...</td>
<td>Ariel P Address</td>
</tr>
<tr>
<td>2</td>
<td>1034663</td>
<td>02-11-2015 11:26AM</td>
<td>wb</td>
<td>Journal of Child Custody: Clinical Issues in Child Custody and Dependency Cases: End...</td>
<td>Ariel P Address</td>
</tr>
<tr>
<td>3</td>
<td>1034667</td>
<td>02-11-2015 11:56AM</td>
<td>wb</td>
<td>Neurology: Pacific Rim, outcome in clinical trial of depression and its implications for...</td>
<td>NOT SPECIFIED</td>
</tr>
<tr>
<td>4</td>
<td>1034669</td>
<td>02-11-2015 20:04PM</td>
<td>wb</td>
<td>Mental Health: Bridger-West-Yorkshire exploited &quot;Most of them are just for fun...</td>
<td>Ariel P Address</td>
</tr>
<tr>
<td>5</td>
<td>1034671</td>
<td>02-11-2015 20:06PM</td>
<td>wb</td>
<td>Women's Health: Women's health issues: An analysis of culture-specific influences on...</td>
<td>Ariel P Address</td>
</tr>
<tr>
<td>6</td>
<td>1034731</td>
<td>02-11-2015 24:36PM</td>
<td>wb</td>
<td>Critical Care Medicine: Effectiveness of Implementing a Wake-Up and Breathe Program...</td>
<td>Ariel P Address</td>
</tr>
<tr>
<td>7</td>
<td>1034732</td>
<td>02-11-2015 24:38PM</td>
<td>wb</td>
<td>Critical Care Medicine: Effectiveness of Implementing a Wake-Up and Breathe Program...</td>
<td>Ariel P Address</td>
</tr>
<tr>
<td>8</td>
<td>1034735</td>
<td>02-11-2015 3:00PM</td>
<td>wb</td>
<td>International Journal of Lifelong Education: Power and Positionality: Negotiating In...</td>
<td>Ariel P Address</td>
</tr>
<tr>
<td>9</td>
<td>1034738</td>
<td>02-11-2015 3:16PM</td>
<td>wb</td>
<td>Critical Care Medicine: Effectiveness of Implementing a Wake-Up and Breathe Program...</td>
<td>Ariel P Address</td>
</tr>
<tr>
<td>10</td>
<td>1034754</td>
<td>02-11-2015 4:30PM</td>
<td>mm</td>
<td>Advances in Food Research: The postharvest biochemistry of tropical and subtropical f...</td>
<td>Ariel P Address</td>
</tr>
<tr>
<td>11</td>
<td>1034769</td>
<td>02-11-2015 5:19PM</td>
<td>wb</td>
<td>Journal of Pain &amp; Palliative Care Pharmacology: Internet resources on managing ch...</td>
<td>Ariel P Address</td>
</tr>
<tr>
<td>12</td>
<td>1034789</td>
<td>02-11-2015 8:03PM</td>
<td>mm</td>
<td>Journal of Paediatrics: HIV/AIDS, Knowledge, Social Activity, and Salary Free Practices...</td>
<td>Ariel P Address</td>
</tr>
<tr>
<td>14</td>
<td>1034848</td>
<td>02-12-2015 1:26AM</td>
<td>mm</td>
<td>Journal of Paediatrics: HIV/AIDS, Knowledge, Social Activity, and Salary Free Practices...</td>
<td>Ariel P Address</td>
</tr>
<tr>
<td>15</td>
<td>1034905</td>
<td>02-12-2015 1:46AM</td>
<td>mm</td>
<td>Writing Journal: Improving aluminium resistance spot welding in automotive structures...</td>
<td>Ariel P Address</td>
</tr>
<tr>
<td>16</td>
<td>1034996</td>
<td>02-12-2015 5:55AM</td>
<td>mm</td>
<td>Hispanic Journal: Nuevos tiempos en el otro lado del Atlantico: Uso de canaveral...</td>
<td>Ariel P Address</td>
</tr>
<tr>
<td>17</td>
<td>1035095</td>
<td>02-12-2015 6:54AM</td>
<td>mm</td>
<td>Educational Media International / Techne Bar: A Web 2.0 curriculum encouraging critical...</td>
<td>Ariel P Address</td>
</tr>
<tr>
<td>18</td>
<td>1034770</td>
<td>02-12-2015 7:12AM</td>
<td>mm</td>
<td>Jura Tresera: Modmuide y la Theor. Three, the real investigation model.</td>
<td>Ariel P Address</td>
</tr>
<tr>
<td>19</td>
<td>1033903</td>
<td>02-12-2015 7:20AM</td>
<td>mm</td>
<td>Applied Physiology, Nutrition, and Metabolism: Physiology applied, nutrition et lab...</td>
<td>Ariel P Address</td>
</tr>
<tr>
<td>20</td>
<td>1034723</td>
<td>02-12-2015 7:36AM</td>
<td>mm</td>
<td>New directions for student services / Academic advising. A corner stone of student ro...</td>
<td>Ariel P Address</td>
</tr>
<tr>
<td>21</td>
<td>1034749</td>
<td>02-12-2015 7:44AM</td>
<td>mm</td>
<td>American Journal of Public Health: Interpreting late Penicillin treatments at the...</td>
<td>Ariel P Address</td>
</tr>
<tr>
<td>22</td>
<td>1034725</td>
<td>02-12-2015 7:50AM</td>
<td>mm</td>
<td>Critical Care Medicine: Daily sedation interruption versus targeted light sedation strategy...</td>
<td>Ariel P Address</td>
</tr>
<tr>
<td>23</td>
<td>1034721</td>
<td>02-12-2015 7:53AM</td>
<td>mm</td>
<td>Critical Care Medicine: Daily sedation interruption versus targeted light sedation strategy...</td>
<td>Ariel P Address</td>
</tr>
<tr>
<td>24</td>
<td>1034614</td>
<td>02-12-2015 7:57AM</td>
<td>mm</td>
<td>Pacific Focus: Information in the Western way of warfare: Too much of a good thing...</td>
<td>NOT SPECIFIED</td>
</tr>
<tr>
<td>25</td>
<td>1034615</td>
<td>02-12-2015 8:57AM</td>
<td>mm</td>
<td>Medical Journal: Let's talk about diabetes.</td>
<td>Ariel P Address</td>
</tr>
<tr>
<td>26</td>
<td>1034781</td>
<td>02-12-2015 8:59AM</td>
<td>mm</td>
<td>Critical Care Medicine: Daily sedation interruption versus targeted light sedation strategy...</td>
<td>Ariel P Address</td>
</tr>
<tr>
<td>27</td>
<td>1034722</td>
<td>02-12-2015 9:50AM</td>
<td>mm</td>
<td>American Journal of Public Health: Interpreting late Penicillin treatments at the...</td>
<td>Ariel P Address</td>
</tr>
<tr>
<td>28</td>
<td>1034739</td>
<td>02-12-2015 9:55AM</td>
<td>mm</td>
<td>Journal of Orthopaedic Trauma: Secondary Causes of Osteopenia in Fracture Patients...</td>
<td>Ariel P Address</td>
</tr>
<tr>
<td>29</td>
<td>1034733</td>
<td>02-12-2015 9:57AM</td>
<td>mm</td>
<td>Journal of Orthopaedic Trauma: Secondary Causes of Osteopenia in Fracture Patients...</td>
<td>Ariel P Address</td>
</tr>
<tr>
<td>30</td>
<td>1034742</td>
<td>02-12-2015 9:59AM</td>
<td>mm</td>
<td>Reproductive BioMedicine Online: Articles: Risk associated with premature ovarian fail...</td>
<td>Ariel P Address</td>
</tr>
<tr>
<td>31</td>
<td>1034753</td>
<td>02-12-2015 10:00AM</td>
<td>mm</td>
<td>Child Development: Associations between early stress and gene methylation in children...</td>
<td>Ariel P Address</td>
</tr>
<tr>
<td>32</td>
<td>1034756</td>
<td>02-12-2015 11:41AM</td>
<td>mm</td>
<td>Canadian Institute of Food Science and Technology Journal: BIFIDOBACTERIA AND BIFID...</td>
<td>Ariel P Address</td>
</tr>
<tr>
<td>33</td>
<td>1034763</td>
<td>02-12-2015 11:50AM</td>
<td>mm</td>
<td>Medicine (Kosovo, Liberia): The effect of long term swimming program on glycemia...</td>
<td>Ariel P Address</td>
</tr>
</tbody>
</table>
Customizable Paging Slips
Scanning
...Photograph an article with your iPad...
Your Partner for Library Success

innovative

...Size-up the Text...
Save to Dropbox ...

ArticleReach automatically marks as filled and notifies the patron via email...

The Article is delivered before the bound journal is reshelved!
Product Roadmap
Innovative Resource Sharing now

• Sharing of returnables and consortium purchased electronic resources
  – Lowest total cost of ownership
  – Real-time and automated operations
  – Works for all—platform agnostic

• Requesting and supplying non-returnables, ArticleReach for Document Delivery
  – Same design principles as INN-Reach
  – Fast, easy, inexpensive
PPOR – Innovative Resource Sharing

Theme: Preparation
- Better support
- Sierra investigation
- NCIP Responder (productize)
- Title Reports
- Maintenance

Release 2.0
SP1
Q2 2015

- Polaris integration
- Circulation interoperability
- Auto data harvesting
- Operational Efficiency

Theme: Polaris Integration

Release 3.0
Q2 2016

Cabernet

Theme: Open and Neutral
- Direct to INN-Reach API, v1
- Localized Discovery
- Data mining
- Product Parity
- Operational efficiency

Syrah

Theme: Cloud City
- More Cloud Building
- Collection Analysis Services
- Operational efficiency
- Analytics

Grenache

Theme: Cloud Building
- Cloud INN-Reach
- Direct to INN-Reach API, v2
- Shared ERM, e-Content
- BLDSS ILL Service
- Operational efficiency

Published May 23, 2016 – PPOR Edition XV For internal use only. Confidential and Copyright, All Rights Reserved, Innovative Interfaces, Inc. 2016
Published May 23, 2016 – PPOR Edition XV For internal use only. Confidential and Copyright, All Rights Reserved, Innovative Interfaces, Inc. 2016

Your Partner for Library Success
Resource Sharing of the Future

• World-wide Resource Sharing platform
• Supports a Resource Sharing economy
  – Anything
  – Anyone
  – Anywhere
  – Anytime
• Network of networks
• Open APIs
• Linked Data as a door to the shop
• Inventory management via the Innovative Knowledge Base
Specifically, ArticleReach

- **Knowledge Base Integration.** Future iterations of our Resource Sharing capabilities will use the Innovative Knowledge Base to identify coverage and subscribers for any library and consortium. This will allow the system to automatically select the best supplier based on a variety of parameters—turnaround time, usage, etc.

- **Resources On-Demand.** Backed by our Knowledge Base, for sharable electronic resources, allow users to gain immediate access without staff intervention. This capability would abide by regional copyright compliance and usage guidelines.

- **Scan Once.** Scan an article once and allow the system to make it available automatically to all partners within a consortium in real-time. This capability would abide by regional copyright compliance and usage guidelines.

- **Open APIs.** Innovative continues to build on our open strategy. Open APIs give external systems an opportunity to integrate with Innovative solutions for a seamless user experience.
Thank You