

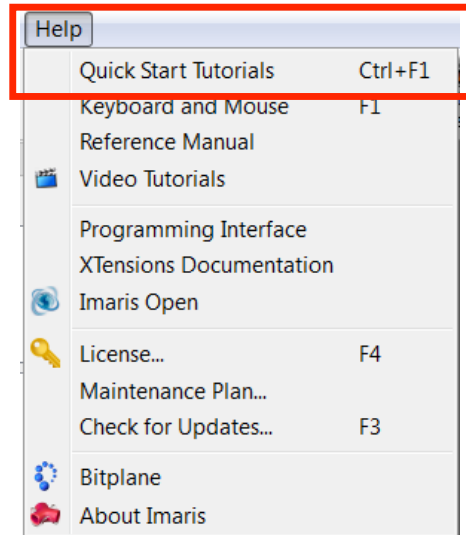
BITPLANE

an **Oxford Instruments** company

Learning, Resources & Services

- Written Documentation (More Menu - Help, RightMouse - Show Help, PDF)
- Website: <http://www.bitplane.com>
 - Learning: Tutorial videos, Webinar Recordings, How To Articles...,
 - Support: Resources (external links), System Requirements
 - Latest News, Exhibitions (also Newsletter): See where you can meet us for some help
- Imaris Open <http://open.bitplane.com>
 - Discussion Forum, Request Xtensions, Share XTensions
- * Support Teams ([Contact Support Web Form and Phone Numbers on Homepage](#))
 - eusupport@bitplane.com
 - ussupport@bitplane.com
 - asiastsupport@bitplane.com
- User Group Meetings
- Bitplane Newsletter (✉ [Click here to receive the Bitplane Newsletter](#))

* Support requires valid Infinity maintenance coverage



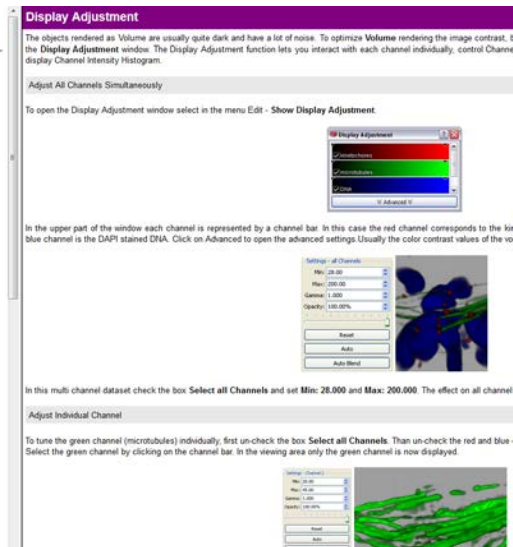
Quick Start Tutorials

- Perfect for new users
- The tutorials are progressively more advanced, so it makes sense to work on them in order
- Step by step instructions, with datasets
- Learn some of the most common workflows, without getting caught up in the details yet.
- It even goes as far as some ImaprisXT programming in Matlab (but a very basic, guided workflow that almost anyone could follow)

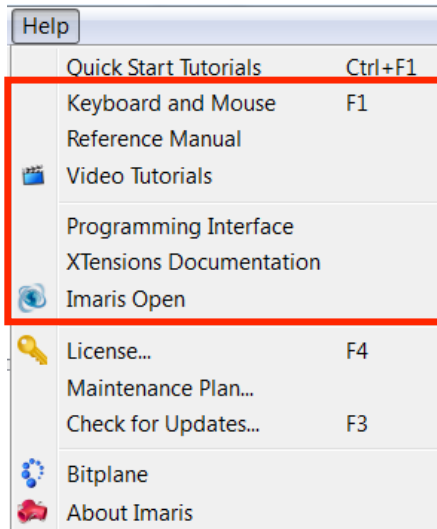
Quick Start Tutorials

Contents | Index

- Introduction
 - Help Menu
- Visualizing Data Set
 - Imaris Main Screen
 - Open Data Set
 - Slide View
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 - Volume
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 - Practice Makes Perfect
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- Final Image
 - Measure Structures
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 - Grid and Scale Bar
 - 3D Measurement
- Track Particles
 - Visualization
 - Time Concept
 - Segmentation



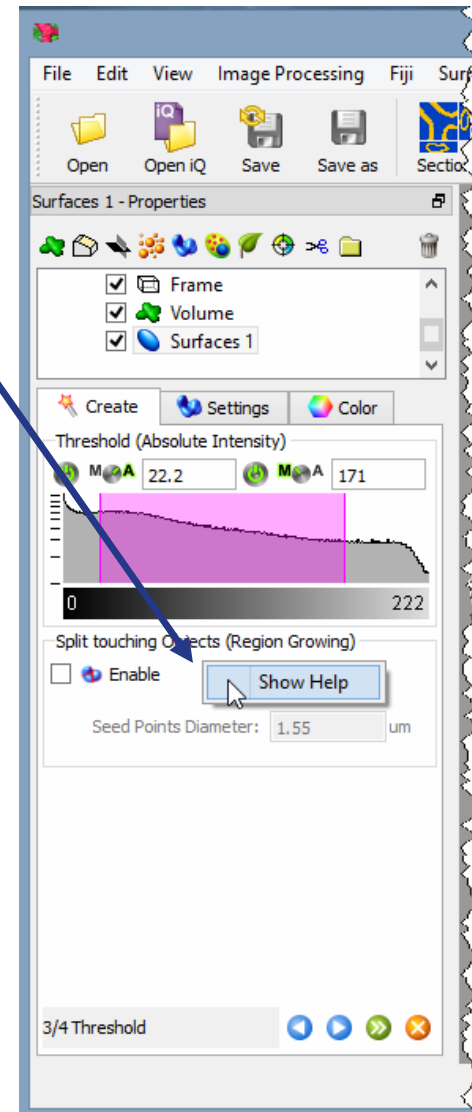
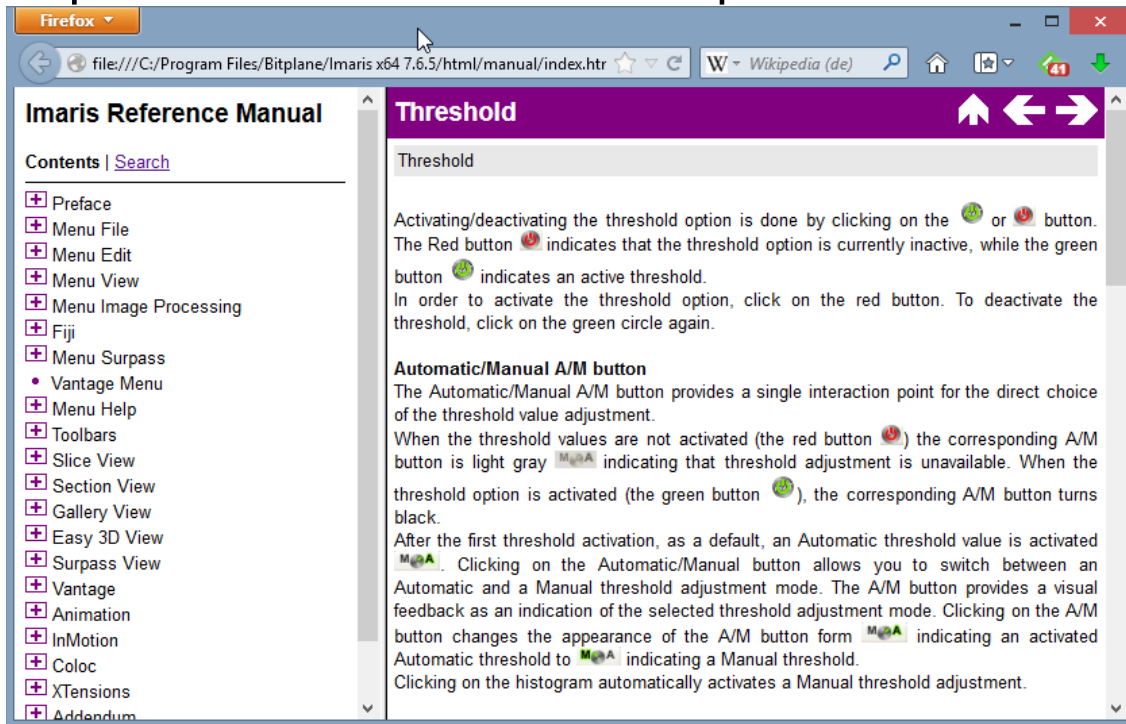
Imaris Help Menu: Other items



- Keyboard and Mouse
A quick reference to figure out the right keys or mouse buttons to use
- Reference Manual
Technical details, with both table of contents and keyword searching
- Video Tutorials
Opens Learning Center where a collection of brief video overviews show various capabilities of Imaris
- Programming Interface
Detailed documentation for programmers that wish to write code for ImarisXT, the Imaris programmable interface
- XTensions Documentation
Descriptions of the XTensions that are installed with Imaris
- Imaris Open
A link to the website

Use 'RIGHT-MOUSE' – Show Help

Opens browser on relevant topic



PRODUCTS

LEARNING

DOWNLOADS

FORUM

SUPPORT

Search



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Advanced Search

HOW-TO
ARTICLES

CUSTOMER CASE
STUDIES

TUTORIAL
VIDEOS

WEBINAR
RECORDINGS

FEATURED
APPLICATIONS

MULTIMEDIA
GALLERY

IMARIS BEGINNER

INTERMEDIATE USER

ADVANCED IMARIS USER

PRODUCT

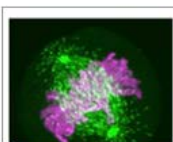
APPLICATION



MULTIMEDIA | WEBINAR

**Imaris 8.2 Launch
Webinar**

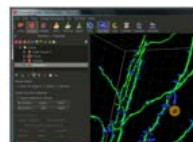
Rating



APPLICATION | CASE STUDY

**Tracking 3D
dynamics of
individual...**

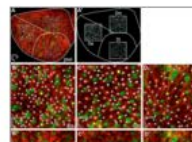
Rating



MULTIMEDIA | TUTORIAL

**Editing Tools of
FilamentTracer**

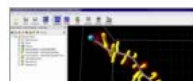
Rating



APPLICATION | CASE STUDY

**Tracking of
thousands of neural
stem cells with...**

Rating



- <http://www.bitplane.com/learning>
- Tutorial Videos
Short videos on many functions
- How to Articles
Highly focused short articles for both common tasks, and lesser-known tips & tricks. Sometimes with video
- Customer Case Studies
Read about some research that has made particularly nice use of the strengths of Imaris.



Learning Center

Browse Learning Center...

Find detailed technical information and application notes, step-by-step tutorials, webinar recordings and product movies. You can also browse our extensive range of images and videos showcasing the unique research performed by our customers.

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HOW-TO
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IMARIS BEGINNER

INTERMEDIATE USER

ADVANCED IMARIS USER

PRODUCT

APPLICATION

MULTIMEDIA | WEBINAR
Imaris 8.2 Launch Webinar
Rating ★★★★★

MULTIMEDIA | WEBINAR
The Search - Cancer
Rating ★★★★★

MULTIMEDIA | WEBINAR
Imaris for Neuroscientists
Rating ★★★★★

MULTIMEDIA | WEBINAR
Introduction to Imaris 8.1 - Data Management and...
Rating ★★★★★

MULTIMEDIA | WEBINAR
The Search - Alzheimer's Disease
Rating ★★★★★

MULTIMEDIA | WEBINAR
Imaris 8.1 - Launch Webinar
Rating ★★★★★

MULTIMEDIA | WEBINAR
Whole Brain Imaging with STP Tomography
Rating ★★★★★

MULTIMEDIA | WEBINAR
Passive and Whole Body CLARITY for Single Cell...
Rating ★★★★★

Webinar Recordings

- <http://www.bitplane.com/learning>
- New seminars are recorded as videos and published on the Bitplane web page.
- Presentations are usually 40-50 minutes long and focused on one specific topic.
- Research Papers
Summarized publication list and customer-presented webinars to help find research relevant to how you might use Imaris

Researchers using Imaris | ... +

www.bitplane.com/publications.aspx

Contact Support

Customer Portal | Login | Register | FAQ

BITPLANE
an Oxford Instruments company

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Recent Article Uploads

- Viewing microscopic myoanatomy of echinoderes in 3D
- The Arena View
- Studying human immune cell interactions in three dimensions

Recent Multimedia Uploads

- Imaris 8 Launch Webinar
- Introduction to Image Analysis using Imaris
- Open spin microscopy and functional imaging in Zebrafish through light sheet microscopy

Customer Publications

Welcome to our dedicated Customer Publications search, helping you to find articles and papers across all fields and disciplines using the author's name, the product name, an application or the various keywords associated with the paper.

Please note that the associated links on this page will lead to the online source of the publication which may, or may not, be available for public viewing.

Search for Papers

Advanced Search

PRODUCT

APPLICATION

Dentate Gyrus Local Circuit is Implicated in Learning Under Stress—a Role for Neurofascin

2014, F. Zitman, M. Lucas, S. Trinks, L. Grosse-Ophoff, M. Kriebel, H. Volkmer, G. Richter-Levin

Rating: ★★★★★

Keywords

Combinatorial Effects of Arginine and Fluoride on Oral Bacteria

Dental caries is closely associated with the microbial disequilibrium between acidogenic/aciduric pathogens and alkali-generating commensal residents within the dental plaque. Fluoride is a widely used anticaries agent, which promotes tooth hard-tissue remineralization and suppresses bacterial activities. Recent clinical trials have shown that oral hygiene products containing both fluoride and arginine possess a greater anticaries effect compared with those containing fluoride alone, indicating synergy between fluoride and arginine in caries management. Here, we hypothesize that arginine may augment the ecological benefit of fluoride by enriching alkali-generating bacteria in the plaque biofilm and thus synergizes with fluoride in controlling dental caries. Specifically, we assessed the combinatory effects of NaF/arginine on planktonic and biofilm cultures of Streptococcus mutans, Streptococcus sanguinis, and Porphyromonas gingivalis with checkerboard microdilution assays. The optimal NaF/arginine combinations were selected, and their combinatory effects on microbial composition were further examined in single-, dual-, and 3-species biofilm using bacterial species-specific fluorescence in situ hybridization and quantitative polymerase chain reaction. We found that arginine synergized with fluoride in suppressing acidogenic S. mutans in both planktonic and biofilm cultures. In addition, the NaF/arginine combination synergistically reduced S. mutans but enriched S. sanguinis within the multispecies biofilms. More importantly, the optimal combination of NaF/arginine maintained a "streptococcal pressure" against the potential growth of oral anaerobe P. gingivalis within the alkalized biofilm. Taken together, we conclude that the combinatory application of fluoride and arginine has a potential synergistic effect in maintaining a healthy oral microbial equilibrium and thus represents a promising ecological approach to caries management.

2014, X. Zheng, X. Cheng, L. Wang, W. Qiu, S. Wang, Y. Zhou, M. Li, Y. Li, L. Cheng, J. Li, X. Zhou, X. Xu

Rating: ★★★★★

Keywords

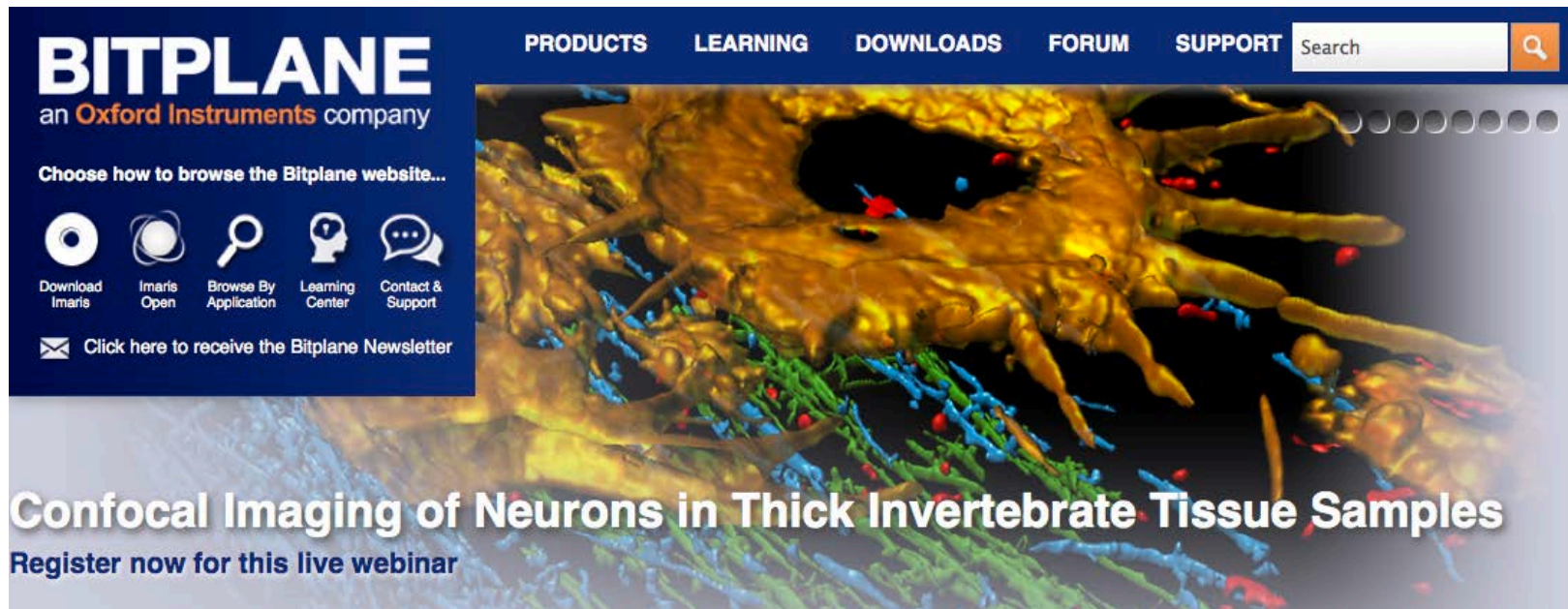
Products

A Catalytic, Self-Cleaning Surface with Stable Superhydrophobic Properties: Printed PDMS Arrays Embedded with TiO₂ Nanoparticles

Maintaining the long term stability of superhydrophobic surfaces is challenging due to contamination from organic molecules and proteins that render the surface hydrophilic. Reactive oxygen species generated on a photocatalyst, such as TiO₂, could mitigate this effect by oxidizing these contaminants. However, incorporation

Publication Database

- <http://www.bitplane.com/publications.aspx>
- Research Papers Summarized
 - publication list to help find research relevant to how you might use Imaris.



The screenshot shows the Bitplane website interface. At the top, a dark blue navigation bar contains the links: PRODUCTS, LEARNING, DOWNLOADS, FORUM, and SUPPORT, followed by a search bar. The main header area on the left features the Bitplane logo and the text 'an Oxford Instruments company'. Below this, a section titled 'Choose how to browse the Bitplane website...' offers five options with icons: 'Download Imaris', 'Imaris Open', 'Browse By Application', 'Learning Center', and 'Contact & Support'. A newsletter sign-up link is also present. The central part of the page is dominated by a large, detailed 3D visualization of neurons in thick invertebrate tissue samples, rendered in yellow, blue, and red. Below this image, the text 'Confocal Imaging of Neurons in Thick Invertebrate Tissue Samples' is displayed in a large, bold font, with a subtext 'Register now for this live webinar'.

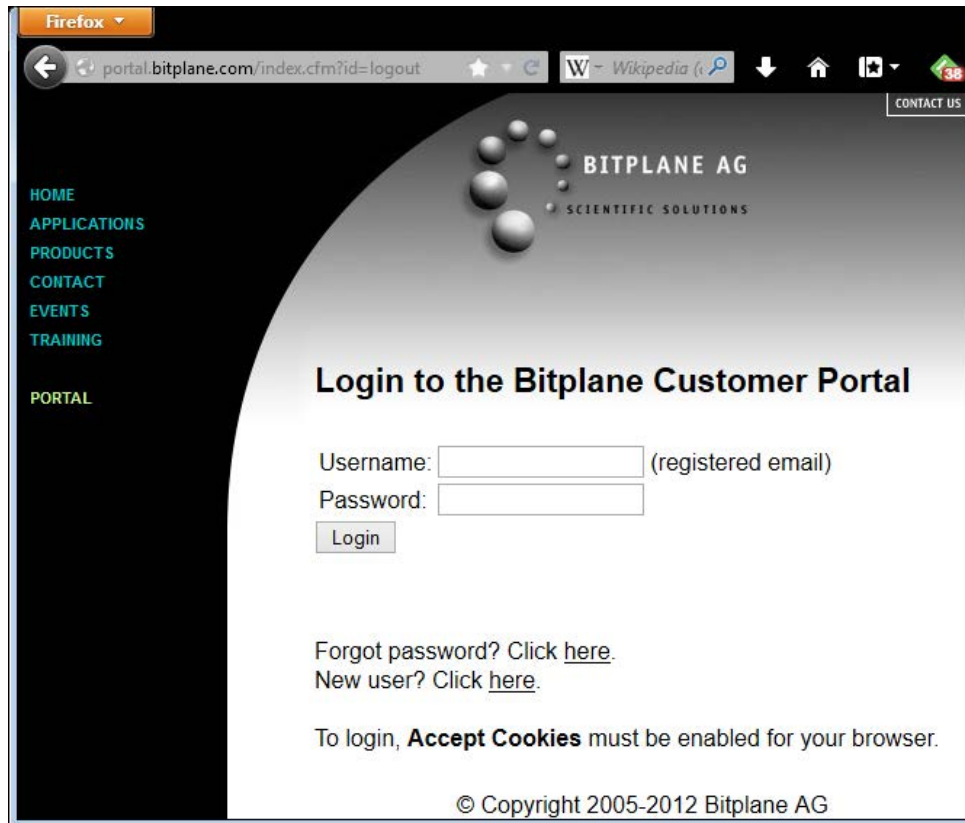
- Bitplane holds live Web Seminars to show new features of products or how you can use Imaris to analyze various image types (check on website and newsletter)
- We can also provide one on one support through browser-based desktop sharing* to help customers solve a specific problem

* Support requires valid Infinity maintenance coverage coverage

- Upcoming Web Seminars
- Meeting Announcements
- Product Announcements
- Applications and Tips on Usage
- Subscription requests on website main page
- A recent Newsletter can be viewed at same place

The screenshot shows the Bitplane website's newsletter page for January. The header includes the Bitplane logo and the URL bitplane.com. The main content area is titled 'January Newsletter' and features three sections: 1. 'Registration Now Open: 2015 European UGM' with a photo of a building and text about an upcoming user group meeting. 2. 'Case Study: Viewing Microscopic Myoanatomy of Echinoderes in 3D' with a 3D reconstruction image and text about research at the Universidad Complutense de Madrid. 3. 'Upcoming Webinar: 3D Neural Connectivity Atlas' with a 3D neural connectivity image and text about a webinar by Dr. Trevor Wardill. Each section includes a 'Click here to register/learn more' link.

The screenshot shows the Bitplane website's main page. The header includes the Bitplane logo and navigation links: PRODUCTS, LEARNING, DOWNLOADS, FORUM, SUPPORT, and a search bar. The main content area is titled 'BITPLANE NEWSLETTER' and features a subscription form. The form includes a text box for 'Name', a text box for 'Email', and a 'SUBMIT' button. Below the form, there is a link that says 'Click here to receive the Bitplane Newsletter'. The text above the form states: 'The Bitplane Newsletter will be sent out every month, and will feature news on Product Launches, Customer Profiles, Upcoming Events and other information which we hope you will find relevant.'



The screenshot shows a Firefox browser window with the address bar displaying 'portal.bitplane.com/index.cfm?id=logout'. The page features a dark sidebar on the left with a menu: HOME, APPLICATIONS, PRODUCTS, CONTACT, EVENTS, TRAINING, and PORTAL (highlighted in green). The main content area has a header with the Bitplane AG logo (a cluster of spheres) and the text 'BITPLANE AG' and 'SCIENTIFIC SOLUTIONS'. A 'CONTACT US' link is in the top right. The central heading is 'Login to the Bitplane Customer Portal'. Below it are two input fields: 'Username: (registered email)' and 'Password: '. A 'Login' button is positioned below the password field. Further down, there are links for 'Forgot password? Click [here](#).' and 'New user? Click [here](#).'. A note states: 'To login, **Accept Cookies** must be enabled for your browser.' The footer contains the copyright notice '© Copyright 2005-2012 Bitplane AG'.

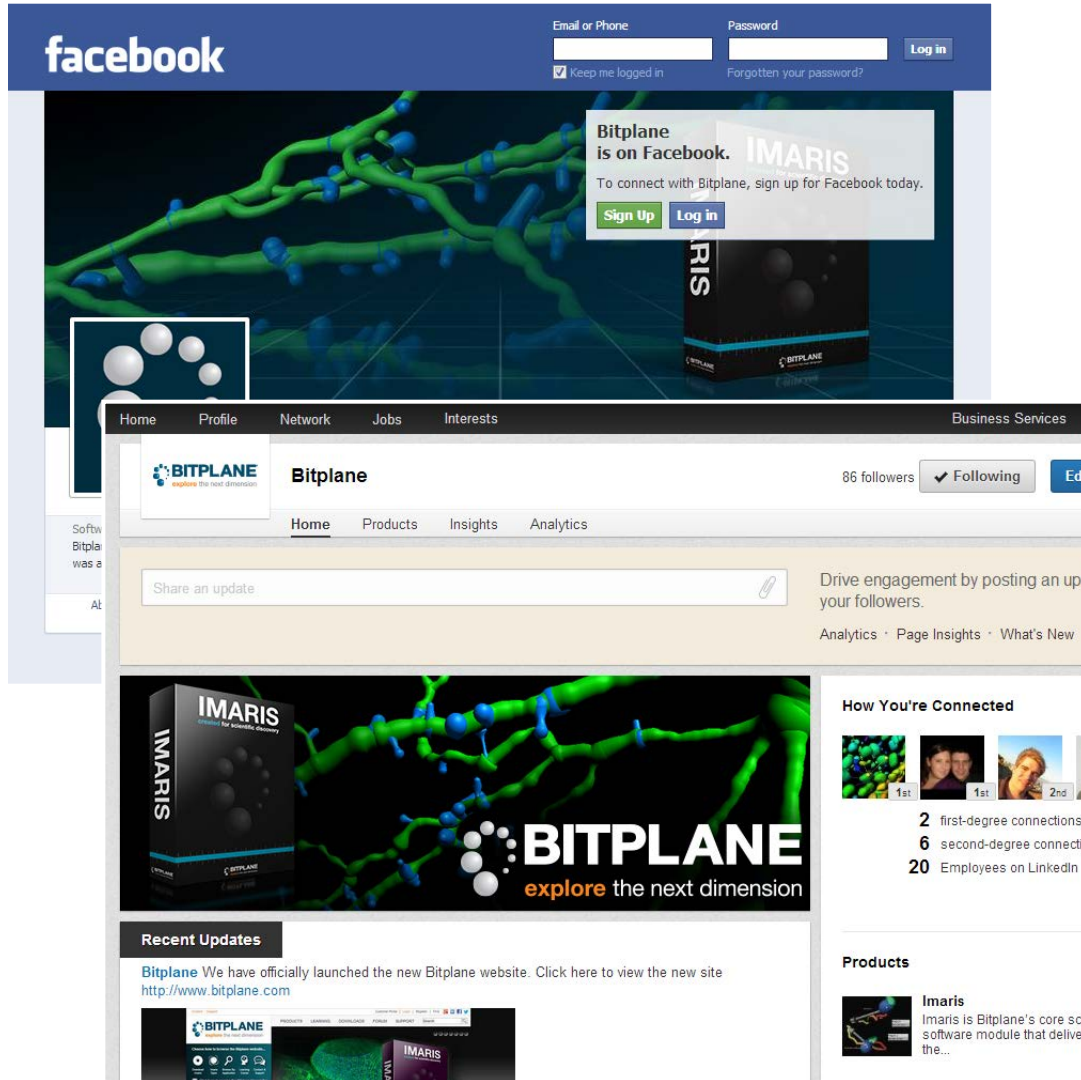
- Eligible for account: registered users of permanent Imaris licenses
- Each site is managed locally by user registered as facility manager
- Features: download software, create satellite licenses, review installation & maintenance details, manage users and more.

The screenshot shows a web browser window titled "Bitplane Customer Portal" with the URL "portal.bitplane.com/index.cfm?id=licenses&mode=new". The page features a dark sidebar on the left with navigation links: HOME, APPLICATIONS, PRODUCTS, CONTACT, EVENTS, TRAINING, and a PORTAL section containing User Settings, Satellite Licensing (highlighted), Report a Bug, Manage User, Product Status, Maintenance, News Letters, Transfer Rights, Download, Issue Voucher, Training Archive, and Memory. The main content area is titled "Satellite Licensing" and includes the Bitplane AG logo. It prompts the user to "Please select product you like to create a satellite license:" with three radio button options: "Imaris 7.7 Single Full", "Imaris 8.0 Confocal Standard Package", and "Imaris 8.0 Single Full" (which is selected). Below this, it asks "Please state your reason for generating a satellite license: *" with a text input field containing "Giving a talk at the university". Another question follows: "Which statement describes the best your purpose for creating a license?" with a dropdown menu showing "I'm giving a presentation". A "Create Satellite License" button is at the bottom, followed by a note: "Fields marked with an asterisk are mandatory *". The footer of the page reads "© Copyright 2005-2012 Bitplane AG".

- The standard Bitplane licenses are node-locked; i.e. they only work on one computer.
- There are multiple situations in which it is in the joint interest of Bitplane and its customers to be able to use the software on more than just one computer. Satellite licenses take care of this.
- Satellite licenses are a copy of the licenses which have been purchased. These licenses can be configured for another computer and are valid for 30 days.
- Not for permanent usage!

*** Satellite Licenses require valid Infinity maintenance coverage**

Check out our social media groups!



- The Bitplane Facebook page can be found at www.facebook.com/BitplaneSoftware
- Feel free to post pictures, ask questions or just show your support for Bitplane!
- Keep up to date on the latest application showcases, webinars, events, etc.
- linkedin.com/company/bitplane
- twitter.com/ImarisBitplane
- plus.google.com/+BitplaneSoftware/