



13C: A NEW BEGINNING





I3C

WHAT IS THE I3C?

- # AN OPEN INITIATIVE BASED ON XML, JAVA & OTHER STANDARDS DEVELOPED BY THE COMMUNITY FOR THE COMMUNITY**

- # FACILITATE & ENABLE TIMELY INTERACTION ACROSS THE ENTIRE LIFE SCIENCE COMMUNITY USING XML & USE-CASE MODELS IN AN OPEN, CONSISTENT MANNER FOR THE EXCHANGE OF LIFE SCIENCE DATA AND INFORMATION**
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BRIEF HISTORY

- # IN NOV'00, SUN HOSTED ITS FIRST ANNUAL INFORMATICS ADVISORY COUNCIL SUMMIT – THE #1 UNANIMOUS REQUEST FROM ALL SECTORS OF THE COMMUNITY WAS FOR AN OPEN PLATFORM & THE #2 REQUEST WAS FOR CONTROL OVER ‘THE PROLIFERATION OF STANDARDS’**
 - # AT THE SAME TIME, BIO & ITS BOARD OF DIRECTORS WERE WORKING TO ADDRESS THE BIGGEST CHALLENGE FACING THEIR MEMBERS – DATA INTEROPERABILITY**
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MORE HISTORY...

- # AND, IN PARALLEL, THE COMMUNITY WAS URGING NCI AND ITS AFFILIATES TO TAKE A LEADERSHIP ROLE IN DEVELOPING AND/OR FACILITATING AN OPEN PLATFORM INITIATIVE
 - # INDIVIDUALLY, MANY COMMERCIAL VENDORS (**BLACKSTONE, INCOGEN, LABBOOK, TIMELOGIC, TURBOGENOMICS & OTHERS**) WERE DEVELOPING SOFTWARE TO ADDRESS THIS ISSUE AND WERE INSTRUMENTAL IN THE LAUNCH & EVOLUTION OF THE I3C
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KEY POINTS

- # SINCE ITS INCEPTION IN JAN'01, THE I3C HAS EVOLVED INTO A FORMAL ORGANIZATION DRIVEN COLLABORATIVELY BY MULTIPLE GROUPS
 - # WE RECOGNIZE THAT THIS INITIATIVE NEEDS TO BE GLOBAL & EXTEND TO ACADEMIA & INDUSTRY DESPITE COMPETITION
 - # WE SUPPORT THE IDEA OF A NEUTRAL RESEARCH HOST OF THE INFRASTRUCTURE
 - # CONSENSUS-DRIVEN: ULTIMATELY LEADING TO WIDE-SPREAD ADOPTION OF PARTICULAR APPROACHES/FORMATS WHICH WILL THEN EMERGE AS DE-FACTO “STANDARDS”
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I3C PARTICIPANTS (75+)

ACCELRY'S, ACCENTURE, ACTIVECYTE, AFFYMETRIX, AGENEA, ALLEGRO BIOSCIENCE, AP BIOTECH, APPLE, ARGONNE NATIONAL LABS, ARGOSY, AUTOMATED CELL, AVAKI, AVENTIS, AVENTIUM, BEIJING GENOMICS INSTITUTE, BEYOND GENOMICS, BIO-ONTOLOGIES & BIO-PATHWAYS, BIOTECHNOLOGY INDUSTRY ORGANIZATION (BIO), BLACKSTONE TECHNOLOGY GROUP, CAPRION PHARMACEUTICALS, CELESTAR LEXICO-SCIENCES, INC. JAPAN, CGI, COMPAQ, DISCOVERY LOGIC, DNA LANDMARKS/BASF, DOUBLETWIST, EBI, FUNCTIONAL GENETICS, GE, GENE BIO, GENE DATA, GENE LOGIC, GENERATIO, GENETICXCHANGE, GENOMICA, GENOMIX, HELIXENSE, HYBRIGENICS, IBM, ILLUMITEK, INCELLICO, INCOGEN, INCYTE, INGENUITY, JARG CORPORATION, JOUANN ROBOTICS, LABBOOK, LABVELOCITY, LION BIOSCIENCE AG, LOS ALAMOS NATIONAL LABORATORY, MATRIX SCIENCE, MDL, MICROMASS, MILLENNIUM PHARMACEUTICALS, MIT/WHITEHEAD INSTITUTE, CENTER FOR FUNCTIONAL GENOMICS, MOLECULAR MINING CORPORATION, NATIONAL CANCER INSTITUTE (NCI), NATIONAL INSTITUTE STANDARDS & TECHNOLOGY (NIST), NON-LINEAR DYNAMICS, NUGENESIS, OPEN-BIO, ORACLE, ORCHID BIOSCIENCE, PHARMQUEST, PHYSIOME SCIENCES, SAN DIEGO SUPERCOMPUTING CENTER, SAS, SILICON GENETICS, SRA INTERNATIONAL, SUN, SURROMED, SYBASE, TIMELOGIC, TURBOGENOMICS, UNITED STATES PATENT & TRADEMARK OFFICE, UNIVERSITY OF MANCHESTER, VIRGINIA BIOINFORMATICS INSTITUTE, ZEROSUM

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THE MANTRA...

**# COLLABORATE ON THE STANDARD,
COMPETE ON THE IMPLEMENTATION**



BOARD MEMBERS

- # EXEC DIR. (SEARCH UNDERWAY)**
 - # CHAIR (TIM CLARK, MILLENNIUM PHARMA.)**
 - # VICE-CHAIR (JILL MESIROV, WHITEHEAD INST.)**
 - # TREASURER (MORRIE RUFFIN, BIO)**
 - # SECRETARY (SIA ZADEH, SUN)**
 - # JEFF AUGEN (IBM)**
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GENERAL ORGANIZATION

- # BOARD (APPOINTED TO FORMALIZE THE I3C AND TO DEFINE GUIDELINES FOR OPERATION)**
 - # SCIENCE & IT BOARD PENDING**
 - # ELECTIONS PENDING**
 - # MEMBERSHIP DUES REQUIRED**
 - # DOCUMENTATION SHARED WITH & DEVELOPED BY MEMBERS FIRST THEN RELEASED TO THE PUBLIC**
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- # **TECHARCH (B.GILMAN - WHITEHEAD & K.MILLER - INCOGEN)**
 - # **ROADMAP (E.NEUMANN - BEYOND GENOMICS & T.CLARK- MILLENNIUM)**
 - # **PROTEOMICS & PATHWAYS (V.SCHACHTER - HYBRIGENICS)**
 - # **CONSIDERED: 1) GENE EXPRESSION; 2) METABOLOMICS; 3) CLINICAL**
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LIAISONS

- # OMG-LSR (OBJECT MANAGEMENT GROUP, LIFE SCIENCE RESEARCH)**
 - # CDISC (CLINICAL DATA INTEGRATION STANDARDS CONSORTIUM)**
 - # OPEN-BIO ORG. (OPEN SOURCE MOVEMENT)**
 - # OTHERS TBA**
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NEXT STEPS

- # ANNOUNCEMENT (MARCH 12)**
 - # MEMBERSHIP CAMPAIGN**
 - # ?**
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CONTACTS

WWW.I3C.ORG

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IN APPRECIATION...

- # ALL OF THE ORGS WHO DEDICATED PERSONNEL TO ADVANCING THE I3C (ESP. INCOGEN, LABBOOK, TURBOGENOMICS, INCELLICO, AMONG OTHERS)**
 - # ALL OF THE CO-CHAIRS (ERIC NEUMANN, BRIAN GILMAN, KRISTA MILLER, TIM CLARK, VINCENT SCHACHTER, ETC)**
 - # CHRIS DAGDIGIAN (OPEN-BIO.ORG) HOSTING WEBSITE & NEWSGROUPS IN CONJUNCTION WITH GENETICS INSTITUTE**
 - # MICHAEL NIEMI (IBM) MAINTAINING THE WEBSITE**
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