

## RADIOCARBON LABORATORIES

This is *Radiocarbon*'s most current list of active radiocarbon laboratories and personnel known to us. We rely on the labs to self-report any changes. Listings are organized by country, followed by lab code. Lab code designations, used to identify published dates, are given to the left of the listing. See page 20 for a complete list of past and present lab codes.

Please notify us of changes in staff, addresses, or other contact information. Updated 16 January 2025.

### ARGENTINA

- AC Héctor Osvaldo Panarello Pabellón INGEIS  
Ciudad Universitaria  
1428 Buenos Aires, Argentina  
Tel: +54 11 4783 3021/23; fax: +54 11 4783 3024  
Email: hector@ingeis.uba.ar; <http://www.ingeis.uba.ar/>
- LP Florencia Mari and Roberto A. Huarte Laboratorio de Tritio y Radiocarbono  
LATYR Centro de Investigaciones Geológicas  
CIG Facultad de Ciencias Naturales y Museo, UNLP Paseo del Bosque  
s/n. 1900 La Plata, Argentina  
Tel: + 54 221 4270648; email: latyr@fcnym.unlp.edu.ar

### AUSTRALIA

- ANUA L. Keith Fifield  
Department of Nuclear Physics, RSPHYSSE, Australian National University  
Canberra, ACT 0200, Australia  
Tel: +61 2 6249 2095; fax: +61 2 6249 0748; email: keith.fifield@anu.edu.au
- OZ Ceri Brenner, Geraldine Jacobsen, and Vladimir Levchenko  
Centre for Accelerator Science  
ANSTO  
Street Address: New Illawarra Road, Lucas Heights, 2234, NSW, Australia  
Postal Address: Locked Bag 2001, Kirrawee, 2232, NSW, Australia  
Email: brennerc@ansto.gov.au; gej@ansto.gov.au; vld@ansto.gov.au  
<https://www.ansto.gov.au/our-facilities/centre-for-accelerator-science>
- SANU Stewart Fallon  
ANU Radiocarbon Dating Laboratory  
Research School of Earth Sciences, Australian National University  
Canberra, ACT 0200, Australia  
Tel: +61 2 612 54261; fax: +61 2 612 50941  
Email: Stewart.Fallon@anu.edu.au; Rachel.Wood@anu.edu.au
- UNSW Tim Barrows  
Chronos Radiocarbon Facility  
University of New South Wales  
Kensington, NSW 2052, Australia  
Email: [chronos@unsw.edu.au](mailto:chronos@unsw.edu.au), [t.barrows@unsw.edu.au](mailto:t.barrows@unsw.edu.au)  
Website: <https://www.analytical.unsw.edu.au/facilities/sseau/radiocarbon-laboratory>

### AUSTRIA

- VERA Eva Maria Wild  
VERA Laboratory, Universität Wien  
Institut für Isotopenforschung und Kernphysik  
Währingerstrasse 17  
A-1090 Vienna, Austria  
Tel: +43 1 4277 51704; fax: +43 1 4277 9517  
Email: eva.maria.wild@univie.ac.at; <http://isotopenforschung.univie.ac.at/>

VIE Tom Higham and Katerina Douka  
Department of Evolutionary Anthropology  
University Biology Building Djerassiplatz 1  
Faculty of Life Sciences  
University of Vienna  
Vienna 1030, Austria  
Te: +43 6648176697  
Email: [Thomas.higham@univie.ac.at](mailto:Thomas.higham@univie.ac.at); <https://highamlab.univie.ac.at/>

## **BELARUS**

IGSB N. D. Michailov  
Institute of Geochemistry and Geophysics, National Academy of Sciences of Belarus  
Kuprevich str. 7  
Minsk 220141, Belarus  
Tel: +375 (17) 263 81 13; fax: +375 (17) 263 63 98; email: [mihailov@igig.org.by](mailto:mihailov@igig.org.by)

## **BELGIUM**

RICH Mathieu Boudin  
Royal Institute for Cultural Heritage Jubelpark 1  
B-1000 Brussels, Belgium  
Tel: +32 2 739 67 11 (institute); +32 2 739 67 02 (lab); fax: +32 2 732 01 05  
Email: [mathieu.boudin@kikirpa.be](mailto:mathieu.boudin@kikirpa.be); <http://www.kikirpa.be>; database: <http://c14.kikirpa.be/search.php>

## **BRAZIL**

CENA Luiz Carlos Ruiz Pessenda  
Radiocarbon Laboratory, Centro de Energia Nuclear na Agricultura  
Universidade de São Paulo  
Avenida Centenario 303, Caixa Postal 96 – CEP 13400-970  
Piracicaba, São Paulo, Brazil  
Tel: +55 193 429 4656; fax: +55 193 429 4610; email: [pessenda@cena.usp.br](mailto:pessenda@cena.usp.br)

FZ M. F. Santiago  
Departamento de Física - UFC Campus do Pici - Cx. Postal  
6030 60455-760 Fortaleza-CE, Brazil  
Tel: +55 85 400 89913; fax: +55 85 400 89450; email: [marlucia@fisica.ufc.br](mailto:marlucia@fisica.ufc.br)

LACUFF Prof. Dr. Kita Macario  
Radiocarbon Laboratory - Fluminense  
Federal University Sala T17 - Instituto de Física  
Av Milton Tavares de Sousa s/n Boa Viagem 24210-346 Niteroi,  
Rio de Janeiro, Brazil  
Tel: +55 21 26295892; email: [kitamacario@id.uff.br](mailto:kitamacario@id.uff.br); [lab.lacuff.egf@id.uff.br](mailto:lab.lacuff.egf@id.uff.br); <https://lac.uff.br/eng/home/>

## **CANADA**

DGC John Gosse  
Dalhousie Geochronology Centre  
Dept. of Earth Sciences  
3006 LSC Dalhousie University  
1459 Oxford Street  
Halifax B3H 4R2, Canada  
Tel.: +1 902 494 6632; fax: +1 902 494 6889  
Email: [john.gosse@dal.ca](mailto:john.gosse@dal.ca); <http://geochronology.earthsciences.dal.ca/>

TO Liam Kieser  
IsoTrace Laboratory, University of Toronto (decommissioned)  
[Liam.Kieser@uottawa.ca](mailto:Liam.Kieser@uottawa.ca)

UOC Leonard I. Wassenaar

André E. Lalonde National Facility in Accelerator Mass Spectrometry  
University of Ottawa – Advanced Research Complex  
25 Templeton St.  
Ottawa, Ontario K1N 6N5, Canada Tel: +1 613 562 5800 ext 7314  
Email: len.wassenaar@uottawa.ca; <https://www.uottawa.ca/research-innovation/national-ael-ams-facility>

ULA Guillaume Labrecque Radiochronology Laboratory  
C.E.N. (Centre for Northern Studies) Université Laval, Abitibi-Price, Room 0248 2405 Rue de la Terrasse  
Quebec, Quebec G1V 0A6, Canada Tel: +1 418 656 2131 ext. 4486  
Email: radiocarbon@cen.ulaval.ca; <http://www.cen.ulaval.ca/radiocarbon>

## CHINA

- CG Yijian Chen and G. Peng  
Radiocarbon Laboratory, Institute of Geology, State Seismology Bureau  
P.O. Box 634  
Beijing 100029, China
- CN-XX Xu Bing  
Cosmogenic Nuclide Chronology Lab  
Institute of Geology and Geophysics, Chinese Academy of Science  
No. 19, Beitucheng Western Road  
Chaoyang District, Beijing 100029, China  
Tel:/Fax: +86 10 82998422; email: bingx@mail.iggcas.ac.cn
- GXNUAMS Hongtao Shen  
Department of Physics, Guangxi Normal University  
15 Yucai Road, Guilin 541004, China  
Tel: +86 0773 5857096; email: shenht@gxnu.edu.cn
- HL Yunzhang Yue  
Second Institute of Oceanography, State Oceanic Administration  
P.O. Box 1207  
Hangzhou, Zhejiang 310012, China  
Tel: +86 571 8076924, ext. 328; fax: +86 571 8071539
- LZU Guanghui Dong, Aifeng Zhou, and Zongli Wang  
Radiocarbon Laboratory, College of Earth and Environmental Sciences  
Lanzhou University, 222 Tianshui Road  
Lanzhou, Gansu Province, China 730000  
Tel: +86 0931 8912329; fax: + 86 0931 8912330; email: ghdong@lzu.edu.cn
- PKUAMS Kexin Liu and Xingfang Ding  
Institute of Heavy Ion Physics, School of Physics, Peking University  
Beijing 100871, China  
Tel: +86 10 62758528; fax: +86 10 62751875; email: kxliu@pku.edu.cn
- BA Xiaohong Wu and Yan Pan  
Radiocarbon dating Laboratory, School of Archaeology and Museology  
Peking University, Beijing 100871, China  
Tel: +86 10 62758528; email:wuxh@pku.edu.cn
- MA Xinxiang Zhang  
College of Chemistry, Peking University, Beijing 100871, China  
email: zxx@pku.edu.cn
- QA Liping Zhou  
Department of Geography, Peking University, Beijing 100871, China

email: lpzhou@pku.edu.cn

XLLQ Zhou Weijian  
Institute of Earth Environment XiYing Lu 22-2  
710054 Xi'an, Shaanxi, China  
Tel: +86 29 5512264 (lab); fax: +86 29 5522566; email: weijian@loess.llqg.ac.cn

Qiu Shua  
Radiocarbon Laboratory, Institute of Archaeology, CASS 27 Wangfujing Dajie  
Beijing 100710, China  
Tel: +86 010 65135532; fax: +86 010 65135532

Li Xingguo  
Institute of Vertebrate Paleontology and Paleoanthropology  
Academica Sinica, P.O. Box 643  
100044 Beijing, China <http://www.ivpp.ac.cn/>

Jinghang Wang  
Beijing Nuclear Instrument Factory  
42 Donghuan Beilu, Jianguomen Wei 100020 Beijing, China  
Tel: +(10) 65 062266 or +(10) 65 015198; fax: +(10) 65 953749

Dai Kaimei  
Department of Physics, Nanjing University  
Nanjing 210024, China  
Tel: +86 25 3596746; fax: +86 25 307965; email: postphys@nju.edu.cn

Wang Jian  
Department of Geography, Nanjing Normal University  
Nanjing 210093, China  
Tel: +86 25 3303666, ext. 3202; fax: +86 25 3307448; email: jwang@njnu.edu.cn

Gao Zhonghe or Chen Xiaoming  
Seismological Bureau of Jiangsu Province  
3 Weigang, Nanjing 210014, China  
Tel: +86 25 4432919, ext. 3028; fax: +86 25 4432585

Ruan Chengwen, Director  
Seismological Bureau of Xinjiang Uygur Autonomous Region  
42 South Beijing Road  
Urumqi, Xinjiang 830011, China  
Tel: +86 991 3838126; fax: +86 991 3835623; email: xjdzj@mail.wl.xj.cn

Shen Chengde  
Guangzhou Institute of Geochemistry, Chinese Academy of Sciences  
Wushan, Guangzhou 510640, China  
Tel: +86 20 85290062; fax: +86 20 85290130; email: cdshen@gig.ac.cn

Huang Qi  
Radiocarbon Laboratory, Institute of Salt Lakes, Academia Sinica  
6 Xiyang Road, 710043 Xi'an, Shaanxi Province, China  
Tel: +86 29 5520397

## CROATIA

Z Ines Krajcar Bronić  
Ruđer Bošković Institute Bijenička cesta 54  
10000 Zagreb, Croatia  
Tel: +385 1 4680 219, +385 1 4572 271; fax: +385 1 4680 239  
Email: krajcar@irb.hr

## CZECH REPUBLIC

CRL Ivo Svetlik and Dagmar Dreslerova CRL Radiocarbon Laboratory  
Na Truhlárce 39/64  
CZ-180 86 Prague 8, Czech Republic  
Tel: +420 266177233; fax: +420 283842788; email: svetlik@ujf.cas.cz and dreslerova@arup.cas.cz

CU Jiří Bruthans  
Department of Hydrogeology, Charles University  
Albertov 6, CZ-128 43 Prague 2, Czech Republic  
Tel: +42(0) 221 951566 or +42(0) 221 951111; fax: +42(0) 221 951556  
Email: brutus@natur.cuni.cz

## DENMARK

AAR Jesper Olsen  
Aarhus AMS Centre (AARAMS)  
Dept. of Physics and Astronomy, University of Aarhus  
DK-8000 Aarhus C, Denmark  
Tel: +45 8942 3759  
Email: c14@phys.au.dk; <http://www.c14.dk>; <http://conferences.au.dk/RadiocarbonAndDiet2017>

## EGYPT

IFAO Anita Quiles  
IFAO Institut français d'archéologie orientale (IFAO)  
Pôle d'archéométrie-Laboratoire de datation par le radiocarbonate  
37, rue al-Cheikh Ali Youssef  
P.O. Box 11562 Qasr al-ainy 11421 Cairo, Egypt  
Tel: +20 22 79 71 613; fax: +20 22 79 44 635  
Email: aquiles@ifao.egnet.net; <http://www.ifao.egnet.net/c14>

## ESTONIA

Ta Volli Kalm and Arvi Liiva  
Radiocarbon Laboratory, Institute of Geology, University of Tartu  
Vanemuise St. 46  
51014 Tartu, Estonia  
Tel/Fax: +372 7 375 836; email: volli.kalm@ut.ee and geol@ut.ee

Tln Enn Kaup  
Radiocarbon Laboratory, Institute of Geology  
Tallinn University of Technology, Ehitajate tee 5 19086 Tallinn, Estonia  
Tel: +372 620 3031; fax: +372 620 3011; email: kaup@gi.ee

## FINLAND

Hel,Hela Markku Oinonen  
Dating Laboratory  
P.O. Box 64, FIN-00014 Helsinki University, Finland  
Tel: +358 9 191 50740; fax: +358 9 191 50741; email: markku.j.oinonen@helsinki.fi

## FRANCE

CIRAM Olivier Bobin  
CIRAM  
Technopole Montesquieu, 9 allée Jacques Latrille  
33650 Martillac, France  
Tel: +33 5 56 23 45 35; email: [contact@ciram-art.com](mailto:contact@ciram-art.com); [www.ciram-art.com](http://www.ciram-art.com)

GifA, Christine Hatté  
Gif LSCE <sup>14</sup>C Geochronology Research Laboratory  
CEA - Orme des Merisiers, bâtiment 714  
F-91191 Gif-sur-Yvette Cedex, France  
Tel: +33 1 6908 0052; email: [christine.hatte@lsce.ipsl.fr](mailto:christine.hatte@lsce.ipsl.fr)

Ly Christine Oberlin  
CDRC – Centre de Datation par le RadioCarbone, UMR 5138  
CNRS Université Claude Bernard Lyon I, 40, Boulevard Niels Bohr  
F-69622 Villeurbanne Cedex, France  
Tel: +33 472 44 82 57; fax: +33 472 43 13 17  
Email: [christine.oberlin@univ-lyon1.fr](mailto:christine.oberlin@univ-lyon1.fr); <http://carbon14.univ-lyon1.fr>

SacA Lucile Beck  
LMC14, bat 450 porte 4E CEA  
Saclay F-91191 Gif-sur-Yvette Cedex, France  
Tel: +33 0 1 69 08 14 03; fax: +33 0 1 69 08 15 57  
Email: [lucile.beck@cea.fr](mailto:lucile.beck@cea.fr); <http://lmc14.lsce.ipsl.fr>

## GEORGIA

TB S. Pagava  
Radiocarbon and Low-Level Counting Section  
Nuclear Research Laboratory  
I. Javakishvili Tbilisi State University  
I. Chavchavadze Av., 3 Tbilisi 0128, Georgia  
Tel: +995 32 222105, +995 32 252776; fax: +995 32 252776  
Email: [spagava@access.sanet.ge](mailto:spagava@access.sanet.ge)

## GERMANY

AWI Gesine Mollenhauer and Torben Gentz  
Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research (AWI)  
Bremerhaven, Germany  
Email: [micadas@awi.de](mailto:micadas@awi.de); <https://www.awi.de/en/science/geosciences/marine-geochemistry/micadas.html>

COL Prof. Dr. Janet Rethemeyer  
University of Cologne Zùlpicher Str. 49a  
50674 Köln, Germany  
Tel: +49 221 470 7317; fax: +49 221 470 1663  
Email: [janet.rethemeyer\(@\)uni-koeln.de](mailto:janet.rethemeyer(@)uni-koeln.de); <http://www.cologne-ams.de/>

Hd Bernd Kromer  
Heidelberger Akademie der Wissenschaften c/o Institut für  
Umweltphysik  
Universität Heidelberg, Im Neuenheimer Feld 229  
69120 Heidelberg, Germany  
Tel: +49 6221 5 46 357; fax: +49 6221 5 46 405  
Email: [Bernd.Kromer@iup.uni-heidelberg.de](mailto:Bernd.Kromer@iup.uni-heidelberg.de)

P Axel Steinhof  
<sup>14</sup>C AMS Laboratory, Max-Planck Institut für Biogeochemie  
Hans-Knöll-Str. 10  
07745 Jena, Germany

Tel: +49 3641 57 6450; fax: +49 3641 57 7450  
Email: steinhof@bgc-jena.mpg.de; <http://www.bgc-jena.mpg.de>

KIA Ralph R. Schneider  
Leibniz-Labor Christian Albrechts Universität  
Max-Eyth-Str. 11  
24118 Kiel, Germany  
Tel: +49 431 880 3895 (R.R.S.) Fax: +49 431 880 7401  
Email: rschneider@leibniz.uni-kiel.de; <http://www.uni-kiel.de/leibniz/>

LZ Achim Hiller  
UFZ-Umweltforschungszentrum  
Leipzig-Halle  
GmbH Sektion Hydrogeologie, Arbeitsgruppe Paläoklimatologie Theodor-Lieser-Strasse 4  
06120 Halle, Germany  
Tel: +49 345 5585 226; fax: +49 345 5585 559; email: a.hiller@hlug.de

MAMS Ronny Friedrich  
Klaus-Tschira-Labor, Curt-Engelhorn-Zentrum Archaeometrie C 5 Zeughaus  
68159 Mannheim, Germany  
Tel: +49 621 293 89 47; fax: +49 621 293 89 56  
Email : ronny.friedrich@cez-archaeometrie.de; <http://www.cez-archaeometrie.de>

## GREECE

DEM Yannis Maniatis  
Laboratory of Archaeometry, Institute of Materials Science  
National Centre for Scientific Research "Demokritos"  
153 10 Aghia Paraskevi, Attiki, Greece  
Tel: +30 1 6503389 or +30 1 6524821; fax: +30 1 6519430  
Email: maniatis@ims.demokritos.gr; <http://www.ims.demokritos.gr/archae>

LIH Nicolaos Zouridakis  
Laboratory of Isotope Hydrology, Institute of Physical Chemistry  
National Centre for Scientific Research "Demokritos"  
153 10 Aghia Paraskevi Attikis  
POB 60228, Greece  
Tel: +30 1 6503969; fax: +30 1 6511766; email: nizouri@chem.demokritos.gr

## HUNGARY

Deb Zsusa Szántó  
Institute of Nuclear Research of the Hungarian Academy of Sciences  
Bem tér 18/c, P.O. Box 51  
H-4001 Debrecen, Hungary  
Tel: +36 52 417266; fax: +36 52 416181; email: aszanto@namafia.atomki.hu

DebA Mihály Molnár  
Herteleni Laboratory of Environmental Studies  
Institute of Nuclear Research of the Hungarian Academy of Sciences (ATOMKI)  
Bem tér 18/c, H-4026 Debrecen, Hungary  
Tel: +36 52 509213; fax: +36 52 416181  
Email: molnar.mihaly@atomki.mta.hu <http://www.radiocarbon.hu>

## ICELAND

Páll Theodórsson  
Science Institute, University of Iceland  
Dunhaga 3, IS-107 Reykjavík, Iceland  
Tel: +354 525 4800; fax: +354 552 8911; email: pth@raunvis.hi.is

## INDIA

- AURIS Dr. Ravi Bhushan and Dr. M.G. Yadava  
PRL-AMS Laboratory, Geosciences Division  
Physical Research Laboratory  
Navrangpura  
Ahmedabad 380009, INDIA  
Tel: +91-79-26314970  
Email: bhushan@prl.res.in; myadava@prl.res.in
- BS Dr. Chandra Mohan Nautiyal  
Radiocarbon Dating Laboratory  
Birbal Sahni Institute of Palaeobotany  
53 University Road  
Lucknow 226007, India  
Tel: +91 522 2742937; fax: +91 522 2740485; email: cmnautiyal@yahoo.co.uk
- IUACD Dr. Sundeep Chopra, Dr. Pankaj Kumar, and Dr. D Kanjilal  
IUAC Internal (Inter University Accelerator Centre) Vasant Kunj  
New Delhi, Delhi 110067, India Tel: +91 11 2689 3955  
Email: chopra@iuac.res.in; pkb@iuac.res.in; dk@iuac.res.in; <http://www.iuac.res.in>
- JUBR S. D. Chatterjee, R. C. Sastri, and Haradhan De  
Biren Roy Research Laboratory for Archaeological Dating  
Department of Physics, Jadavpur University  
Calcutta 700 032, India  
Tel: +91 33 473 4044; fax: +91 33 473 4266
- PRL Dr. M. G. Yadava  
Radiocarbon Dating Laboratory, Planetary and Geosciences Division  
Physical Research Laboratory  
Navrangpura, Ahmedabad 380 009, India  
Tel: +91 79 26314367; fax: +91 79 26301502; email: myadava@prl.res.in

## INDONESIA

Wisjachudin Faisal  
Staff of Research and Development Center for Advance Technology  
National Nuclear Energy Agency  
Jl. Babarsari, P.O. Box 1008 Yogyakarta 55101, Indonesia  
Tel: +62 274 515435; fax: +62 274 561824  
Email: p3tm@indo.net.id and wisya@batan.go.id

## IRELAND

- UCD Peter I. Mitchell and Edward McGee  
UCD Radiocarbon Laboratory  
Department of Experimental Physics, University College Dublin  
Belfield, Dublin 4, Ireland  
Tel: +353 1 716 2220; fax: +353 1 283 7275  
Email: Peter.Mitchell@ucd.ie and Edward.Mcgee@ucd.ie  
<http://www.ucd.ie/radphys/page2.htm>

## ISRAEL

- RTK Elisabetta Boaretto  
Radiocarbon Dating and Cosmogenic Isotopes Laboratory  
Weizmann Institute of Science  
76100 Rehovot, Israel  
Tel: +972 893 43213; fax: +972 893 46062; email: Elisabetta.Boaretto@weizmann.ac.il



## ITALY

- DSH Fabio Marzaioli and Filippo Terrasi  
Center for Isotopic Research on Cultural and Environmental Heritage (CIRCE) Lab  
Università degli Studi della Campania “Luigi Vanivittelli”- Mathematics and Physics Department  
Viale Carlo III di Borbone 153, 81020 San Nicola La Strada (Caserta), Italy  
Email: fabio.marzaioli@unicampania.it; Filippo.Terrasi@unicampania.it
- ENEA Paolo Bartolomei and Giuseppe Magnani  
ENEA C.R. “E. Clementel”  
Via dei Colli, 16 Bologna 40136, Italy  
Tel: +39 051 6098168; fax +39 051 6098187  
Email: paolo.bartolomei@enea.it and giuseppe.magnani@enea.it
- Fi Mariaelena Fedi, Pier Andrea Mandò  
INFN - LABEC  
via Bruno Rossi 1  
50019 Sesto Fiorentino (Fi) Tel. +39 0554572722 2632  
Email: fedi@fi.infn.it; mando@fi.infn.it; <http://www.infnbeniculturali.wordpress.com>
- LTL Dr. Lucio Calcagnile  
CEDAD - AMS Radiocarbon Dating and IBA Facility  
University of Lecce, Department of Engineering and Innovation  
Via Per Monteroni, Lecce 73100, Italy  
Tel: +39 0831 507372; fax: +39 0831 507408  
Email: Lucio.calcagnile@unile.it; <http://www.cedad.unile.it>
- R Salvatore Improta  
Dipartimento di Fisica Università “La Sapienza”  
Piazzale Aldo Moro, 2, Rome 00185, Italy  
Tel: +39 6 49914208; fax: +39 6 4957697; email: Salvatore.Improta@roma1.infn.it
- RCMib Francesco Maspero, Marco Martini  
CUDAM - Milano Bicocca University Via Roberto Cozzi 55  
20125 Milan, Italy  
Tel. +39 02 64485167; email: francesco.maspero@unimib.it
- Rome Gilberto Calderoni  
Department of Earth Sciences, University of Rome “La Sapienza”  
Piazzale Aldo Moro, 5  
Rome 00185, Italy  
Tel: +39 6 499 14580; fax: +39 6 499 14578; email: gilberto.calderoni@uniroma1.it

## JAPAN

- IAA, Takao Matsui  
IAAA Shirakawa Radiometric Laboratory Institute of Accelerator  
Analysis Ltd.  
6-270 Ichiridan, Shirasaka, Shirakawa City, Fukushima 961-0835, Japan  
Tel: +81 248 21 1055; email: office@iaa-ams.co.jp; <http://www.iaa-ams.co.jp>
- JAT Yoko Kokubu  
Tono Geoscience Center, Japan Atomic Energy Agency (JAEA)  
959-31 Jorinji, Izumi-cho, Toki-shi, Gifu 509-5102, Japan  
Tel: +81-572-53-0211; fax: +81-572-53-0180; email: kokubu.yoko@jaea.go.jp
- KEEA Yoshimasa Takashima  
Kyushu Environmental Evaluation Association

1-10-1, Matsukadai, Higashiku, Fukuoka 813-0004, Japan  
Tel: +81 92 662 0410; fax: +81 92 662 0990; email: kawamura@keea.or.jp

- MTC Hiroyuki Matsuzaki  
Research Center for Nuclear Science and Technology, University of Tokyo  
21116 Yayoi, Bunkyo-ku, Tokyo 113-0032, Japan  
Tel: + 81 3 5841 2961; fax: +81 3 5841 2947  
Email: hmatsu@malt.rcnst.u-tokyo.ac.jp; <http://www.malt.rcnst.u-tokyo.ac.jp>
- NUTA Toshio Nakamura  
Tandetron AMS Laboratory  
Center for Chronological Research, Nagoya University Chikusa  
Nagoya 464-8602, Japan  
Tel: +81 52 789 3082; fax: +81 52 789 3092; email: nakamura@nendai.nagoya-u.ac.jp
- OR Setsuko Shibata  
Research Center of Radioisotopes, Frontier Science Innovation Center  
University of Osaka Prefecture  
1-2, Gakuen-cho, Sakai 599-8570, Japan  
Tel: +81 722 36 2221; fax: +81 722 54 9938; email: shibata@riast.osakafu-u.ac.jp
- PAL Shigemoto Tokunaga  
Radiocarbon Laboratory, Palynosurvey Co.  
Nissan Edobashi Bld. 1-10-5 Honcho, Nihonbashi, Chuoku, Tokyo, Japan  
Tel: +81 3 3241 4566; (lab) +81 274 42 8129; fax: +81 3 3241 4597  
Email: office@palyno.co.jp; <http://www.palyno.co.jp/>
- PLD Shigeru Itoh  
Paleo Labo Co., Ltd.  
1900-65, Shimotazawa Kurohone-cho Kiryu  
Gunma 376-0144 Japan  
Email: info@paleolabo.jp; <https://www.paleolabo.jp/>
- TERRA Dr. Yasuyuki Shibata  
Tandem Accelerator for Environmental Research and Radiocarbon Analysis  
National Institute for Environmental Studies (NIES-TERRA)  
Environmental Chemistry Division  
Onogawa 16-2, Tsukuba, Ibaraki 305-8506, Japan  
Tel/Fax: +81 295 50 2565; email: yshibata@nies.go.jp
- TK, TKa, Dr. Minoru Yoneda
- TKA Laboratory of Radiocarbon Dating  
The University Museum, The University of Tokyo  
Hongo 7-3-1, Tokyo 113-0033, Japan  
Tel/Fax: +813-8541-2483; email: nendai@um.u-tokyo.ac.jp
- YU Fuyuki Tokanai  
AMS Center for Kaminoyama Research Institute, Yamagata University  
19-5 Yujiri, Kanakame, Kaminoyama  
Yamagata 999-3109, Japan  
Tel: +81 23 695 6225; fax: +81 23 695 6227; email: tokanai@sci.kj.yamagata-u.ac.jp
- Takafumi Aramaki  
Marine Research Laboratory  
Japan Atomic Energy Research Institute (JAERI-MRL)  
4-24 Minato-machi, Mutsu  
Aomori 035-0064, Japan  
Tel: +81 175 28 2614; fax: +81 175 22 4213  
Email: mrl@popsvr.tokai.jaeri.go.jp; <http://www.jaeri.go.jp/english/index.cgi>

## LEBANON

LAEC Rana Baydoun  
Radiocarbon Laboratory, Lebanese Atomic Energy Commission (LAEC)  
National Council for Scientific Research (CNRS)  
P.O. Box 11-8281, Riad El Solh 107 2260 Beirut, Lebanon  
Tel: +96 1 1 450811; fax: +96 1 1 450810  
Email: rbaydoun@cnrs.edu.lb; www.laec-cnrs.gov.lb

## LITHUANIA

Group of Dendroclimatology and Radiometrics Environmental Research Centre  
Faculty of Natural Sciences Vytautas Magnus University  
Z.E. Ziliberio 2, LT-3018 Kaunas, Lithuania  
Tel: +370 37 390955; email: atcentre@lycos.com and atc@gmf.vdu.lt

Vs Jonas Mazeika  
Laboratory of Nuclear Geophysics and Radioecology Nature Research Centre,  
Akademijos str. 2  
Vilnius 08412 Lithuania  
Tel: +370 5 210 4703; email: mazeika@geo.lt

FTMC Zilvinas Ezerinskis  
Mass Spectrometry Laboratory  
Center for Physical Sciences and Technology  
Sauletekio ave. 3  
Vilnius, Lithuania  
Tel: +370 5 264 9211; email: zilvinas.ezerinskis@ftmc.lt

## MEXICO

IMTA Israel Mata  
Instituto Mexicano de Tecnología del Agua (IMTA)  
Laboratorio de carbono 14 Paseo Cuauhnáhuac 8532  
Col. Progreso, Jiutepec, Morelos 62550, México  
Tel: +52 777 329 3600 Ext: 176; fax: +52 777 329 368

LEMA Corina Solís Rosales and Efraín Chávez Lomelí  
Laboratorio de Espectrometría de Masas con Aceleradores (LEMA) Instituto de Física,  
Universidad Nacional Autónoma de México  
Ciudad Universitaria, Delegación Coyoacán, México D. F. 04510, México  
Tel: +52 55 56 22 51 59; +52 55 56 22 50 70  
Email: corina@fisica.unam.mx; chavez@fisica.unam.mx

UNAM Laura Beramendi-Orosco and Galia González-Hernández  
Laboratorio Universitario de Radiocarbono  
Instituto de Geofísica, Instituto de Investigaciones Antropológicas Universidad Nacional  
Autónoma de México  
Ciudad Universitaria, México City 04510, México  
Tel: +52 55 56 22 96 80  
Email: laura@geofisica.unam.mx; galia@geofisica.unam.mx

## MONACO

IAEA- Dr. Laval Liong Wee Kwong  
MEL International Atomic Energy Agency, Marine Environmental Laboratory  
4 Quai Antoine 1er, MC-98012 Monaco  
Tel: +377 979 77272; fax: +377 979 77273; email: L.Liong@iaea.org

## THE NETHERLANDS

GrM Michael Dee  
Centre for Isotope Research, University of Groningen  
Faculty of Science and Engineering  
Nijenborgh 4, 9747 AG Groningen, The Netherlands Tel: +31 050 363 9479  
Email: m.w.dee@rug.nl;  
<https://www.rug.nl/research/centre-for-isotope-research/research-and-projects/main-research/isotoop-datering>

## NEW ZEALAND

NZA Jocelyn Turnbull  
National Isotope Centre  
30 Gracefield Road, Lower Hutt, New Zealand Tel: +64 4 570 4726  
Email: j.turnbull@gns.cri.nz; website: gns.cri.nz

Wk Fiona Petchey  
Radiocarbon Dating Laboratory, University of Waikato  
Gate 9, Hillcrest Rd. Hamilton, New Zealand  
Tel: +64 7 838 4278; fax: +64 7 838 4192  
Email: f.petchey@waikato.ac.nz; <http://www.radiocarbon dating.com>

## NORWAY

T, TUa, Bente Philippsen  
TRa National Laboratory for Age Determination  
NTNU University Museum  
N-7491 Trondheim, Norway  
Telephone: Radiocarbon: +47 73 59 33 10, Dendrochronology: +47 91 89 75 25  
E-mail: datlab@vm.ntnu.no  
Visiting address: Sem Sælands vei 5, Gamle fysikk, Room: 119  
Postal address: National Laboratory for Age Determination, NTNU,  
7491 Trondheim, Norway  
<https://www.ntnu.edu/museum/national-laboratory-for-age-determination>

## POLAND

GdA, Natalia Piotrowska  
GdS Radiocarbon and Mass Spectrometry Laboratory  
Silesian University of Technology, Institute of Physics-CSE  
Konarskiego 22B  
PL-44-100 Gliwice, Poland  
Tel: +48 32 2372254  
Email: Natalia.Piotrowska@polsl.pl

KR Tadeusz Kuc  
Kraków Radiocarbon Laboratory  
AGH University of Science and Technology  
Environmental Physics Department  
PL-30-059 Kraków, Poland  
Tel: +48 12 6172979 or 6333740; fax: +48 12 6340010  
Email: kuc@novell.ftj.agh.edu.pl

LOD Paweł Trzeciak  
Radiochemical Laboratory, Archaeological and Ethnographical Museum  
Pl. Wolności 14, PL-91-415 Łódź, Poland  
Tel: +48 42 6328440; fax: +48 42 6329714  
Email: pawel.trzeciak@maie.lodz.pl; [www.c14lab.pl](http://www.c14lab.pl)

- MKL Marek Krapiec  
Laboratory of Absolute Dating  
Cianowice 225, PL-32-043 Skała, Poland  
Tel: +48 12 3891464; fax: +48 503 052233; email: laboratorium@c14.pl; http://www.c14.pl/
- Poz Tomasz Goslar  
Poznań Radiocarbon Laboratory  
Foundation of the Adam Mickiewicz University  
ul. Rubież 46, 61-612 Poznań, Poland  
Tel: + 061 8279782; email: c14@radiocarbon.pl; http://www.radiocarbon.pl

## PORTUGAL

- Sac P. Valério  
Laboratório de Datação pelo Radiocarbono  
Instituto Superior Técnico, Campus Tecnológico e Nuclear, Estrada Nacional 10 (km 139,7)  
2695-066 Bobadela LRS, Portugal  
Tel: +351 21 994 61 80; email: pvalerio@ctn.tecnico.ulisboa.pt

## REPUBLIC OF CHINA

- NTU Tsung-Kwei Liu  
Department of Geosciences, National Taiwan University  
245 Choushan Road, Taipei, Taiwan, Republic of China  
Tel/Fax: +886 2 3657380; email: liutk@ccms.ntu.edu.tw

## ROMANIA

- RoAMS Cristian Măniilescu  
AMS Laboratory - Applied Nuclear Physics Department  
Horia Hulubei - National Institute for R&D in Physics and Nuclear Engineering  
30th Reactorului Str., 077125, Magurele-Ilfov, Romania  
Tel: +40 21 4042345; Fax: +40 214574440  
Email: cristian.manaiilescu@nipne.ro; <https://dfna.nipne.ro/RadioCarbon/>

## RUSSIA

- GIN Maria M. Pevzner  
Geological Institute, Russian Academy of Sciences  
Pyzhevsky Pereulok 7, Moscow 119017, Russia  
Tel: +7 495 951 9457; email: m\_pevzner@mail.ru
- GV Ekaterina V. Parkhomchuk  
AMS Golden Valley, Novosibirsk State University  
Budker Institute of Nuclear Physics of SB RAS  
Pirogova 2, Novosibirsk 630090, Russia  
Tel: +73833304982; email: ekaterina@catalysis.ru
- IEMAE Arkady B. Savinetsky  
Severtsov Institute of Ecology and Evolution  
Russian Academy of Sciences  
Leninsky Prospekt 33, Moscow 119071, Russia  
Fax: +7 495 954 5534; email: histecol@orc.ru
- IGAN Elya Zazovskaya  
Institute of Geography, Russian Academy of Sciences  
Staromonetnyi Pereulok 29, Moscow 119017, Russia  
Tel: +7 495 9593852; fax: +7 495 959 0033  
Email: zazovskaya@igras.ru; zaszovsk@gmail.com
- LE Ganna I. Zaitseva  
Institute of the History of Material Culture, Russian Academy of Sciences  
Dvortsovaya Naberezhnaya 18, St. Petersburg 191186, Russia  
Tel: +7 812 311 8156; fax: +7 812 311 6271; email: ganna@mail.wplus.net

- LU Khikmat A. Arslanov  
Geographical Research Institute, St. Petersburg State University  
Sredniy Prospect 41, St. Petersburg 193004, Russia  
Tel/Fax: +7 812 218 7904; email: kozyrev@mail.nevalink.ru
- MAG Anatoly V. Lozhkin  
Geology and Paleogeography of Cenozoic Laboratory  
Northeast Interdisciplinary Scientific Research Institute Russian Academy of  
Sciences, Far East Branch  
16 Portovaya St., Magadan 685000, Russia  
Email: lozhkin@neisri.magadan.ru
- MPI Vasily Lytkin  
Melnikov Permafrost Institute SB RAS  
Merzlotnaya St., 36, Yakutsk 667010, Russia  
Tel: +74112390815; email: gidro1967@mail.ru
- SOAN Ivan Y. Ovchinnikov  
Institute of Geology and Mineralogy  
Russian Academy of Sciences, Siberian Branch Koptyug Prospekt 3  
Novosibirsk 630090, Russia  
Tel: +7 383 330 7839; email: c14ovchinnikov@gmail.com
- SPb Marianna Kulkova  
Herzen State University, Faculty of Geography  
nab. Moyki, 48/12, St. Petersburg 191186, Russia  
Tel: +7 812 314 47 96; fax: +7 812 314 47 96; email: kulkova@mail.ru

## SENEGAL

- DK Maurice Ndeye  
Institut Fondamental d'Afrique Noire (IFAN)  
Université Cheikh Anta Diop  
Dakar, Sénégal  
Tel: +221 824 16 52; email: mndeye@ucad.sn

## SLOVAKIA

- Ba Pavel Povinec  
Comenius University  
Faculty of Mathematics, Physics and Informatics  
CENTA, Mlynská dolina F1  
SK-842 48 Bratislava 4, Slovakia  
Email: povinec@fmph.uniba.sk; povinec@gmail.com

## SOUTH AFRICA

- Pta Stephan Woodborne  
Quaternary Research Dating Unit (QUADRU)  
c/o Enviromentek, CSIR P.O. Box 395  
0001 Pretoria, South Africa  
Tel: +27 12 841 3380; fax: +27 12 349 1170; email: swoodbor@CSIR.co.za

## SOUTH KOREA

- KATRI Eunho Shin  
Korea Apparel Testing and Research Institute (KATRI)  
82, Jeonpa-ro 24beon-gil, Manan-gu, Anyang-si, Gyeonggi-do, 14087, Republic of Korea  
Tel: +82 31 538 9460, Fax : +82 31 538 9691; Email: ehshin@katri.re.kr

KGM Wan Hong  
Korea Institute of Geoscience and Mineral Resources (KIGAM)  
124 Gwahang-no, Yuseong-gu  
Daejeon 305-350, Republic of Korea  
Tel: +82 42 868 3510; fax: +82 42 868 3393  
Email: whong@kigam.re.kr; <http://ionbeam.kigam.re.kr>

## SPAIN

CNA Francisco Javier Santos Arévalo  
Centro Nacional de Aceleradores (CNA)  
Avda. Thomas Alba Edison, nº7, Isla de la Cartuja  
41092 Sevilla, Spain  
Tel: +34 954 46 05 53; fax: +34 954 46 01 45  
Email: [fj.santos@csic.es](mailto:fj.santos@csic.es); <http://www.centro.us.es/cna>

UBAR Dr. Joan S. Mestres  
Laboratori de Datació per Radiocarboni, Universitat de Barcelona  
c/. Martí i Franquès, 1-11/Avda. Diagonal, 647  
08028 Barcelona, Spain  
Tel: +34 93 403 4688; fax: +34 93 402 1233; email: [js.mestres@ub.edu](mailto:js.mestres@ub.edu)

UGRA Elena Villafranca Sánchez  
Laboratorio de Datación por C-14  
Centro de Instrumentación Científica, Campus Fuentenueva, Ed. Mecenas  
Universidad de Granada, 18071 Granada, Spain  
Tel: +34 58 244229; fax: +34 58 243391; email: [evs@ugr.es](mailto:evs@ugr.es)

## SWEDEN

LuS Radiocarbon Dating Laboratory, Lund University  
Sölvegatan 12, SE-223  
62 Lund, Sweden  
Tel: +46 46 222 7856; fax: +46 46 222 4830; email: [Mats.Rundgren@geol.lu.se](mailto:Mats.Rundgren@geol.lu.se)

Ua Daniel Primetzhofer  
Tandem Laboratory, University of Uppsala, Box 529  
SE-751 21 Uppsala, Sweden  
Tel: +46 18 4713040; fax: +46 18 555736; email: [daniel.primetzhofer@physics.uu.se](mailto:daniel.primetzhofer@physics.uu.se)

## SWITZERLAND

B Thomas Stocker  
Climate and Environmental Physics, Physics Institute, University of Bern  
Sidlerstrasse 5, 3012 Bern, Switzerland  
Tel: +41 31 631 44 64; fax: +41 31 631 87 42  
Email: [stocker@climate.unibe.ch](mailto:stocker@climate.unibe.ch); <http://www.climate.unibe.ch>

BE Soenke Szidat  
Laboratory for the Analysis of Radiocarbon with AMS (LARA)  
Department of Chemistry and Biochemistry, University of Bern  
Freiestrasse 3, 3012 Bern, Switzerland  
Tel.: +41 31 6314308; email: [szidat@dcb.unibe.ch](mailto:szidat@dcb.unibe.ch); <http://www.14c.unibe.ch/>

ETH H-A Synal  
ETH/AMS Facility, Institut für Teilchenphysik, ETH  
Hönggerberg 8093 Zürich, Switzerland  
Tel: +41 1 633 2041; fax: +41 1 633 1067  
Email: [synal@phys.ethz.ch](mailto:synal@phys.ethz.ch)

IOP Simon Fahrni  
Ionplus AG  
Lerzenstrasse 12

8953 Dietikon, Switzerland  
Tel.: +41 43 322 31 77; fax: +41 43 322 31 79; email: fahrni@ionplus.ch; <http://www.ionplus.ch>

UZH Prof. Dr. Markus Egli  
Radiocarbon laboratory, University of Zurich  
Department of Geography - Geochronology  
Winterthurerstr. 190  
8057 Zürich, Switzerland  
Tel: +41 44 635 51 14, Email: [markus.egli@geo.uzh.ch](mailto:markus.egli@geo.uzh.ch)

## TURKEY

TUBITAK Turhan Doğan  
TÜBİTAK National 1 MV AMS Laboratory  
Marmara Research Center  
Earth and Marine Science Institute  
Barış Mah. Dr. Zeki Acar Cad. No:1 P.K. 21  
41470 Gebze Kocaeli, Turkey  
Email: Turhan.Dogan@tubitak.gov.tr Tel.: +90 262 677 2888  
<http://ydbe.mam.tubitak.gov.tr/tr/haber/ulusal-1mv-hizlandirilmis-kutle-spektroskopisi-laboratuvari>

## UKRAINE

IHME Michael Buzinny  
Marzeev Institute of Hygiene and Medical Ecology, Academy of Medical Sciences of Ukraine  
50 Popudrenko St., Kiev, 02094 Ukraine  
Tel/Fax: +38 0 44 513 7074  
Email: mbuz@ukr.net and buzinny@yahoo.com; <http://c14.kiev.ua>

Ki Vadim V. Skripkin  
National Academy of Sciences and Ministry of Extraordinary Situation of Ukraine  
Institute of Environmental Geochemistry, Kiev Radiocarbon Laboratory  
34a, Palladin Av. Kiev, 03680 Ukraine  
Tel: +38 0 44 424 0060; fax: +38 0 44 424 1465; email: psrtl@rambler.ru

## UNITED KINGDOM

BRAMS T. D. J. Knowles and R. P. Evershed  
Bristol Radiocarbon Accelerator Mass Spectrometry Facility  
University of Bristol, 43 Woodland Road  
Bristol BS8 1UU, United Kingdom Tel: +44 1173317211  
Email: brams-facility@bristol.ac.uk; <http://www.bristol.ac.uk/chemistry/facilities/brams/>

OxA Rachel Wood  
Oxford Radiocarbon Accelerator Unit  
Research Laboratory for Archaeology and the History of Art  
Oxford University, Dyson Perrins Building, South Parks Road  
Oxford OX1 3QY, United Kingdom  
Tel: +44 1865 285229; fax: +44 1865 285220  
Email: orau@rlaha.ox.ac.uk; <http://c14.arch.ox.ac.uk>

SUERC Elaine Dunbar (Head of SUERC <sup>14</sup>C Laboratory), Philippa Ascough (Head of NERC <sup>14</sup>C Laboratory),  
Stewart Freeman (Head of SUERC AMS Team)  
Scottish Universities Environmental Research Centre  
Scottish Enterprise Technology Park, Rankine Avenue, East Kilbride G75 0QF, Scotland  
Tel: +44 1355 223332; fax: +44 1355 229898; <http://www.gla.ac.uk/suerc>

SWA Quentin Dresser  
Department of Geography, University of Wales



Swansea Singleton Park, Swansea  
West Glamorgan SA2 8PP, Wales  
Tel: +44 1792 295148; fax: +44 1792 295955; email: P.Q.Dresser@swansea.ac.uk

UBA Dr Maarten Blaauw  
14CHRONO Centre for Climate, the Environment, and Chronology  
Geography, Archaeology, and Palaeoecology  
School of Natural and Built Environment  
The Queen's University of Belfast  
42 Fitzwilliam Street, Belfast BT9 6AX, United Kingdom  
Tel: +44 2890 973895; Email: [maarten.blaauw@qub.ac.uk](mailto:maarten.blaauw@qub.ac.uk)  
<http://www.14chrono.org>

E. M. Scott  
Department of Statistics, University Gardens, University of Glasgow  
Glasgow G12 8QW, Scotland  
Tel: +44 141 330 5125; fax: +44 141 330 4814; email: marian@stats.gla.ac.uk

## UNITED STATES

A Chris Eastoe  
Laboratory of Isotope Geochemistry  
Geosciences Department, University of Arizona  
Tucson, Arizona 85721, USA  
Tel: +1 520 621 1638; fax: +1 520 621 2672; email: eastoe@geo.arizona.edu

AA A. J. Timothy Jull  
NSF-Arizona AMS Facility, University of Arizona  
1118 E. Fourth Street, P.O. Box 210081 Tucson, Arizona 85721-0081, USA  
Tel: +1 520 621 6810; fax: +1 520 621 9619  
Email: ams@physics.arizona.edu; <http://www.physics.arizona.edu/ams>

Beta Ron E. Hatfield  
Beta Analytic, Inc. 4985 SW 74 Court  
Miami, Florida 33155, USA  
Tel: +1 305 667 5167; fax: +1 305 663 0964  
Email: lab@radiocarbon.com; <http://www.radiocarbon.com/>

CAMS Scott Tumey  
Center for Accelerator Mass Spectrometry L-397  
Lawrence Livermore National Laboratory  
P.O. Box 808, L-397, Livermore, California 94550, USA  
Tel: +1 925-423-9012; fax: +1 925-423-7884; email: tumey2@llnl.gov

D-AMS Alyssa M. Tate, Brittany A. Hundman, Jonathan D. Heile DirectAMS  
11822 North Creek Parkway North, Suite 107 Bothell, Washington  
98011, USA  
Tel: +1 425 481 8122; fax +1 206 281 5916  
Email: info@directams.net; <https://www.directams.com>

GX Dana Krueger  
Geochron Laboratories, A Division of Krueger Enterprises, Inc.  
711 Concord Avenue  
Cambridge, Massachusetts 02138, USA  
Tel: +1 617 876 3691; fax: +1 617 661 0148; email: dkrueger@geochronlabs.com

ICA Bladimir Diaz  
International Chemical Analysis, Inc  
10585NW 53rd St.  
Miami, FL 33351

+1 786 205 2569; email: info@radiocdating.com; http://www.radiocdating.com

- NIST George A. Klouda  
NIST Low-Level Counting Laboratory  
National Institute of Standards and Technology 100 Bureau Dr., Mailstop 8372  
Gaithersburg, Maryland 20899-8371, USA  
Tel: +1 301 975 3931; fax: +1 301 417 1321; email: George.Klouda@nist.gov
- NSRL Scott Lehman  
INSTAAR Laboratory for AMS Radiocarbon Preparation and Research (NSRL)  
CU-Boulder, 1560 30th St. Campus Box 450  
Boulder, Colorado 80309-0450, USA  
Tel: +1 303 492 0362; fax: +1 303 492 6388  
Email: Scott.Lehman@colorado.edu; http://www.colorado.edu/INSTAAR/RadiocarbonDatingLab/
- OS Mark Kurz  
National Ocean Sciences AMS Facility  
Woods Hole Oceanographic Institution  
McLean Laboratory, Mail Stop #8  
Woods Hole, Massachusetts 02543-1539, USA Tel: +1 508 289 2554; fax: +1 508 457 2183  
Email: mkurz@whoi.edu; http://www.whoi.edu/nosams
- PL Prof. Marc Caffee  
Purdue Rare Isotope Measurement Laboratory, Purdue University  
525 Northwestern Avenue, West Lafayette, Indiana 47907-2036, USA  
Tel: +1 765 494 5381; fax: +1 765 496 7228  
Email: mcaffee@physics.purdue.edu; http://primelab.physics.purdue.edu
- PRI Linda Scott Cummings  
PaleoResearch Institute  
2675 Youngfield St, Golden, Colorado 80401, USA  
Tel: +1 303 277 9848; fax: +1 303 462 2700  
Email: ams@paleoresearch.com; http://www.paleoresearch.com
- PSUAMS Brendan J. Culleton  
Radiocarbon Laboratory  
Pennsylvania State University  
Land and Water Research Building  
781 Hastings Road  
University Park, PA 16802, USA  
Tel: +1 814 863 6344; Email: [bjc23@psu.edu](mailto:bjc23@psu.edu)  
<https://iee.psu.edu/labs/radiocarbon-laboratory>
- UCI Ellen Druffel and Sheila Griffin  
Radiocarbon Laboratory, Department of Earth System Science  
University of California, Irvine  
Croul Hall 2212, Irvine, California 92697-3100, USA  
Tel: +1 949 824 2116 (Druffel/office); fax: +1 949 824 3478  
Email: edruffel@uci.edu and sgriffin@uci.edu
- UCIAMS John Southon, Ellen Druffel, Guaciara M. dos Santos  
Earth System Science Department  
B321 Croul Hall, University of California, Irvine  
Irvine, California 92697-3100, USA  
Tel: +1 (949) 824 3674; fax: +1 (949) 824 3874  
Email: jsouthon@uci.edu and/or gdossant@uci.edu; http://www.ess.uci.edu/ams/
- UGAMS Alexander Cherkinsky, Carla Hadden, and Elya Zazovskaya  
Center for Applied Isotope Studies, The University of Georgia

120 Riverbend Road  
Athens, Georgia 30602-4702, USA  
Tel: +1 706 542 1395; fax: +1 706 542 6106; <http://www.cais.uga.edu>

UTCAG Daniel Weinand  
University of Tennessee, Center for Archaeometry and Geochronology  
250 South Stadium Hall  
Knoxville, Tennessee 37996-0720, USA  
Tel: +1 865 974 8771; fax: +1 865 974 2686  
Email: [utcag@utk.edu](mailto:utcag@utk.edu); <http://web.utk.edu/~anthrop/utcag/>

## URUGUAY

URU Cristina Ures and Roberto Bracco  
Laboratorio de <sup>14</sup>C, Facultad de Química  
Universidad de la República  
Gral. Flores 2124 Montevideo, Uruguay  
Tel: +598 2 924 8571; fax: +598 2 924 1906; email: [radquim@bilbo.edu.uy](mailto:radquim@bilbo.edu.uy)

## LABORATORY CODE DESIGNATIONS<sup>1</sup>

A	University of Arizona	USA	DGC	Dalhousie Geochronology Centre	Canada
AA	NSF-Ariz. AMS Facility	USA	DIC*	Dicar Corp and Dicarb	USA
AAR	University of Aarhus	Denmark	DK	Univ. de Dakar	Sénégal
AC	Ingeis	Argentina	DRI*	Desert Research Institute	USA
AECV*	Alberta Environmental Center of Vegreville	Canada	DSA	CIRCE, Caserta	Italy
AERIK*	Atomic Energy Res. Inst.	Korea	DSH	CIRCE, Caserta	Italy
ALG*	Algiers	Algeria	D-AMS	Direct AMS	USA
ANAS*	Applied Nuclear-Atomic Science (ANAS) Lab.	South Korea	ENEA	ENEA, Bologna	Italy
ANL*	Argonne Nat. Lab.	USA	Erl*	Erlangen AMS Facility	Germany
ANSTO	Australian Nuclear Sci. & Tech.	Australia	ETH	ETH/AMS Facility	Switzerland
ANTW*	Antwerp	Belgium	F*	Florence	Italy
ANU*	Australian National Univ.	Australia	Fi	Florence INFN	Italy
ANUA	ANU Accelerator	Australia	Fr*	Freiberg	Germany
AU*	University of Alaska	USA	Fra*	Frankfurt	Germany
AURIS	Ahmedabad	India	FSU*	FloridaState University	USA
AWI	Bremerhaven	Germany	FTMC	Vilnius AMS Lab	Lithuania
B	Bern	Switzerland	FZ	Fortaleza	Brazil
Ba	Bratislava	Slovakia	G*	Göteborg	Sweden
BC*	Brooklyn College	USA	GAK*	Gakushuin University	Japan
BE	University of Bern	Switzerland	Gd*	Gliwice	
Beta	Beta Analytic	USA	GdA, GdS	Gliwice	Poland
BGS*	Brock University	Canada	GD*	Gdansk	Poland
BIOCAMS*	Miami	USA	Gif*	Gif-sur-Yvette	France
Birm*	Birmingham	UK	GifA	Gif-sur-Yvette	France
Bln*	Berlin	Germany	GIN	Geological Institute	Russia
BM*	British Museum	England	GL*	Geochronological Lab.	England
BONN*	Universität Bonn	Germany	GrA*	Groningen AMS	Netherlands
BRAMS	University of Bristol	UK	GrM	Groningen AMS	Netherlands
BS	Birbal Sahni Institute	India	GrN*	Groningen	Netherlands
C*	Chicago	USA	GrO*	Groningen	Netherlands
CAMS	Center for AMS	USA	GSC	Geological Survey	Canada
CAR*	Univ. College, Cardiff	Wales	GU*	Scottish Universities Research & Reactor Centre	Scotland
CENA	Centro Energia Nuclear na Agricultura	Brazil	GV	AMS Golden Valley, Novosibirsk	Russia
CG	Institute of Geology	China	GX	Geochron Laboratories	USA
CH*	Chemistry Laboratory	India	GXNUAMS	Guangxi Normal Univ. AMS Lab	China
CIRAM	CIRAM, Martillac	France	H*	Heidelberg	Germany
CN-XX	Chinese Academy of Sciences	China	HAM*	Hamburg	Germany
CNA	Centro Nacional de Aceleradores	Spain	HAR*	Harwell	England
COL	Köln AMS	Germany	Hd	Heidelberg	Germany
CRCA*	Cairo	Egypt	Hel	Helsinki	Finland
CRL	Czech <sup>14</sup> C Lab.	Czech Republic	Hela	Helsinki AMS	Finland
CSIC*	Geochronology Lab, IQFR-CSIC, Madrid	Spain	HIG*	Hawaii Inst. of Geophys.	USA
CSM*	Cosmochem. Lab., USSR Acad. of Sci.	USSR	HL	Second Inst. of Oceanography	China
CT*	Caltech, Calif. Inst. Tech.	USA	HNS*	Hasleton-Nuclear, Palo Alto	USA
CU	Charles University	Czech Republic	Hv*	Hannover	Germany
D*	Dublin, Trinity College	Ireland	I*	Teledyne Isotopes	USA
Dak*	Univ. of Dakar	Sénégal	IAA	Institute of Accelerator Analysis (beta counting)	Japan
DAL*	Dalhousie University	Canada	IAAA	Institute of Accelerator Analysis (AMS)	Japan
DE*	USGS, Denver	USA	IAEA*	International Atomic Energy Agency	Austria
Deb	Debrecen	Hungary	IAEA-MEL	Marine Environmental Lab.	Monaco
DebA	Debrecen (AMS)	Hungary	ICA	International Chemical Analysis	USA
DEM	NCSR Demokritos	Greece			

<sup>1</sup>Indicates laboratories that are closed, no longer measuring <sup>14</sup>C, or operating under a different code designation.

ICEN*	Instituto Tecnológico e Nuclear	Portugal	LZU	Lanzhou University	China
IEMAE	Institute of Evolutionary Morphology & Animal Ecology	Russia	M*	University of Michigan	USA
IFAO	Institut français d'archéologie orientale	Egypt	Ma*	University of Winnepeg	Canada
LAR*	Liège State University	Belgium	MAG	Quaternary Geology	Russia
IGAN	Institute of Geography	Russia	MAMS	Curt-Engelhorn-Zentrum Archaeom.	Germany
IGS*	Inst. of Geological Sci.	Belarus	MC*	Centre Scientifique	Monaco
IGSB	Inst. of Geological Sci.	Belarus	METU*	Middle East Technical Univ.	Turkey
IHME	Marzeev Inst. of Hygiene Med. Ecol.	Ukraine	MI*	Melnikov Permafrost Institute	Russia
II*	Isotopes, Inc., Palo Alto	USA	MKL	Lab. of Absolute Dating	Poland
IMTA	Inst. Mexicano de Tecnología del Agua	Mexico	ML*	Miami	USA
IOAN*	Inst. of Oceanography	Russia	Mo*	Verdanski Inst. of USSR	USSR
IORAN*	Institute of Oceanology	Russia	MOC*	Archaeological Institute	Czech Republic
IRPA*	Royal Institute for Cultural Heritage	Belgium	MP*	Magnolia Petroleum	USA
ISGS*	Illinois State Geological Survey	USA	MPI	Melnikov Permafrost Institute	Russia
IUACD	Inter University Accelerator Centre	India	MTC	University of Tokyo	Japan
IVAN*	Institute of Volcanology	Ukraine	N*	Nishina Memorial	Japan
IVIC*	Caracas	Venezuela	NIST	National Institute of Standards and Technology	USA
IWP*	Institute of Water Problems	Russia	NPL*	National Physical Lab., Middlesex	England
J	Jena	Germany	NS*	Nova Scotia Research Foundation	Canada
JAT	Tono Geoscience Center (JAEA)	Japan	NSRL	INSTAAR – Univ. of Colorado	USA
JGS*	Geological Survey of Japan	Japan	NSTF*	Nuclear Science & Technology Facility, State Univ. of New York	USA
JUBR	Biren Roy Research	India	NSW*	U. of New South Wales	Australia
K*	Copenhagen	Denmark	NTU	National Taiwan University	Republic of China
KAERI*	Korean Atomic Energy	Korea	NU*	Nihon University	Japan
KATRI	Korea Apparel Testing	Korea	NUTA	Tandetron AMS Lab	Japan
KCP	National Cultural Korea	Korea	Ny*	Nancy, Centre de Recherches Radiogéologiques	France
KEEA	Kyushu Environ. Eval. Assoc. Property Research Inst.	Japan	NZ*	Rafter Radiocarbon Lab	New Zealand
KGM	Korea Institute of Geoscience & Mineral Resources (KIGAM)	Korea	NZA	Rafter (AMS)	New Zealand
KI*	Kiel	Germany	O*	Humble Oil & Refining	USA
KIA	Kiel AMS	Germany	OB DY*	ORSTOM Bondy	France
Ki (KIEV)	Institute of Radio-Geochemistry of the Environment	Ukraine	OR	Research Center of Radioisotopes	Japan
KIK*	Royal Institute for Cultural Heritage	Belgium	ORINS*	Oak Ridge Institute of Nuclear Studies	USA
KN*	Köln	Germany	OS	National Ocean Sciences, AMS Facility	USA
KR	Kraków	Poland	OWU*	Woods Hole Oceanographic Inst.	
KRIL*	Krasnoyarsk Institute	Russia	OX*	Ohio Wesleyan Univ.	USA
KSU*	Kyoto Sangyo University	Japan	OxA	USDA (Oxford, Miss.)	USA
L*	Lamont-Doherty	USA	OZ	Oxford Radiocarbon Accelerator Unit	England
LACUFF	Fluminense Federal Univ.	Brazil	LZ	Centre for Accelerator Science, ANSTO	Australia
LAEC	Lebanese Atomic Energy Commission (LAEC)	Lebanon	P	Umweltforschungszentrum Leipzig-Halle	Germany
LE	St. Petersburg	Russia	P*	Max-Planck-Institut Geochron. Lab	Germany
LEMA	Lab. de Espectrometría de Masas con Aceleradores	Mexico	PAL	Univ. of Pennsylvania	USA
LIH	NCSR Demokritos	Greece	Pi*	Palynosurvey Co.	Japan
LJ*	Scripps (UCSD) La Jolla	USA	PI*	Pisa	Italy
LOD	Lodz	Poland	PIC*	Permafrost Institute	Russia
LP	La Plata	Argentina	PITT*	Packard	USA
LTL	University of Lecce	Italy	Poz	University of Pittsburgh	USA
Lu*	Lund	Sweden	Pr*	Poznan	Poland
LuA*	Lund	Sweden	PKU	Prague	Czech Republic
LuS	Lund	Sweden	PKUAMS	Peking University	China
LU	St. Petersburg State University	Russia	PL	Peking Univ. AMS lab	China
Lv*	Louvain-la-Neuve	Belgium	PLD	Purdue Rare Isotope Measurement Lab	USA
Ly	University of Lyon	France	PRI	Paleo Labo. Co., Ltd.	Japan
			PRL	PaleoResearch Inst.	USA
				Radiocarbon Dating Research Unit	India

PRLCH*	Physical Research Lab.	India	TIn	Tallinn	Estonia
PSU*	Penn State Univ.	USA	TO*	IsoTrace Laboratory	Canada
PSUAMS	Penn State Univ.	USA	TUBITAK	TÜBITAK National AMS Laboratory	Turkey
Pta	Pretoria	South Africa	TRa	Trondheim (AMS)	Norway
Q*	Cambridge	England	TUa	Trondheim (AMS)	Norway
QL*	Quaternary Isotope Lab.	USA	TUNC*	Tehran Univ. Nuclear Centre	Iran
QC*	Queens College	USA	Tx*	Texas	USA
QU*	Centre de Recherches Canada Minérales, Québec		U*	Uppsala University	Sweden
R	Rome	Italy	Ua	Uppsala AMS	Sweden
RCD*	Radiocarbon Dating	England	UB*	Belfast	Northern Ireland
RCMib	Milano Bicocca University	Italy	UBA	Belfast	Northern Ireland
RI*	Radiochemistry, Inc.	USA	UBAR	University of Barcelona	Spain
RICH	Royal Institute for Cultural Heritage	Belgium	UCD	University College, Dublin	Ireland
RIDDL*	Simon Fraser Univ.	Canada	UCI	Univ. of California, Irvine	USA
Riga*	Institute of Science	Latvia	UCLA*	Univ. of California, Los Angeles	USA
RL*	Radiocarbon, Ltd.	USA	UCR*	Univ. of California, Riverside	USA
RoAMS	National Institute for Physics and Nuclear Engineering	Romania	UD*	Udine	Italy
Rome	Dept. of Earth Sciences, Rome	Italy	UGa*	University of Georgia	USA
RT	Rehovot	Israel	UGAMS	University of Georgia	USA
RTK	Rehovot	Israel	UGRA	University of Granada	Spain
RU*	Rice University	USA	UL*	University of Laval	Canada
S*	Saskatchewan	Canada	ULA	University of Laval	Canada
Sa*	Saclay, Gif-sur-Yvette	France	UM*	University of Miami	USA
Sac	Instituto Tecnológico	Portugal e Nuclear	UNAM	National Autonomous Univ. of Mexico	Mexico
SacA	Gif sur Yvette (Saclay)	France	UNSW	Chronos 14Carbon-Cycle Facility	Australia
SANU	ANU Canberra	Australia	UOC	University of Ottawa	Canada
SPb	Herzen State University	Russia	UQ*	Univ. of Quebec at Montréal	Canada
SFU*	Simon Fraser Univ.	Canada	URCRM*	Ukrainian Research Ctr. for Radiation Medicine	Ukraine
Sh*	Shell Development Co.	USA	URU	University of Uruguay	Uruguay
SI*	Smithsonian Institution	USA	USGS*	USGS, Menlo Park	USA
SL*	Sharp Laboratories	USA	UtC*	Utrecht van de Graaff	Netherlands
SM*	Mobil Oil Corp., Dallas	USA	UTCAG	University of Tennessee	USA
SMU*	Southern Methodist Univ.	USA	UW*	University of Washington	USA
SNU*	Seoul National University	South Korea	UZH	University of Zurich	Switzerland
SOAN	Institute of Geology	Russia	V*	Melbourne, Victoria	Australia
SRR	NERC Radiocarbon	Scotland	Vs	Vilnius, Nat. Res. Ctr.	Lithuania
St*	Stockholm	Sweden	VERA	Institut für Radiumforschung und Kernphysik	Austria
Su*	Finland	Finland	VIE	Univ. Vienna Dept. of Evol. Anth.	Austria
SUA*	University of Sydney	Australia	VRI*	Universität Wien	Austria
SUERC	Scottish Universities	Scotland	W*	USGS, National Center	USA
SWA	Swansea	Wales	WAT*	University of Waterloo	Canada
T	Trondheim	Norway	WIS*	Univ. of Wisconsin	USA
Ta	Tartu	Estonia	Wk	University of Waikato	New Zealand
TAM*	Texas A & M University	USA	WRD*	USGS Washington, D.C.	USA
TB	Tbilisi	Georgia	WSU*	Washington State Univ.	USA
TBNC*	Kaman Instruments	USA	XLLQ	Xi'an Lab. of China Loess & Quat. Geol.	China
TEM*	Temple University	USA	X*	Whitworth College	USA
TF*	Tata Institute of Fundamental Research	India	Y*	Yale University	USA
TK	University of Tokyo	Japan	Ya*	Yale University	USA
TKA	University Museum, Univ. of Tokyo	Japan	YU	Yamagata University	Japan
TKa	Univ. of Tokyo-AMS	Japan	Z	Zagreb	Croatia
TKU	Turku	Finland			