

Stichting Duik Research 1970 - 2020

# Symposium Half a century Stichting Duik Research

Saturday, 26 March 2022

10:00 uur – 17:00 uur

Venue: to be decided

(In Great Amsterdam)

Monoplace chamber, SDR



Next October Stichting Duik Research (SDR, Foundation for Diving Research) will celebrate its 50th anniversary with a symposium. Although being a small, non-profit, organisation run by inspired volunteers, in 50 years many meaningful activities were undertaken. This will be memorized in the first lecture by **Nico A.M. Schellart**, PhD, MSc, emeritus Assoc. Prof. (Medical physicist, University of Amsterdam).

The symposium will continue with Diving in very unusual environments: at very high altitudes and in basins of nuclear plants, given by **Jean Claude Le Péchon**, MSc, MEng (Consultant in hyperbaric health and safety at work, Hyperbarie, Paris).

Then we will be informed about the historically increasing importance of cardiac diving medicine by **Rienk Rienks**, MD, PhD (cardiologist, ret., diving physician, Utrecht Medical Centre).

Also, it informs about two intriguing applications of professional diving: the downfall of the coral biotope in the perspective of saving the biosphere of Mother Earth, presented by **Didier de Bakker**, PhD, MSc, (Tropical marine ecologist, Wageningen Marine Research),

and preserving the marine history of the Netherlands by open sea underwater archaeology given by **Martijn R. Manders** (PhD, MA, Assoc. Prof. (Archeologist, University Leiden).

The last lecture of the formal part of the symposium informs about the striking performance of diving sea mammals compared to human free diving, presented by **Mattijn Buwalda**, MD (anaesthesiologist-intensivist and dive medicine physician, Odijk).

The symposium will end with some festive talks and a reception.

## Agenda 2020

09-05-2020 / 16-05-2020



Red Sea Marsa Shagra  
Marsa Alem, Egypt

### Programme

- Research on lung physiology
- CSD course on the ageing diver

### Course info:

- [n.a.schellart@amsterdamumc.nl](mailto:n.a.schellart@amsterdamumc.nl)
- [hansvdamster@gmail.com](mailto:hansvdamster@gmail.com)



Examination of dive computers,  
SDR

## Programme

Language: most lectures in Dutch, all slides in English

Ontvangst (Wellcome)

**Jean Claude Le Péchon** *Diving in very unusual environments* Two situations will be addressed: high altitude (4500 m) diving with semi closed rebreather and diving in basins of nuclear power plants. What are the risks? Evaluation is the key to find out how to perform safely.

11.30 -12.15 **Rienk Rienks** *Diving cardiology, past and present* About 150 years ago large projects with compressed air work started. Much later large scale professional diving started. Under both conditions the focus was on save decompression. It took nearly a century before the crucial disturbed physiological performance of the heart (and lungs) were noted.

**Mattijn Buwalda** *Anatomical and physiological adaptations of diving mammals* Why does the sperm whale (*Physeter macrocephalus*) not suffer from barotrauma, DCS and most importantly hypoxia? He can dive for more than two hours and reach depths up to 4 km. And all this with one set of lungs.

### Lunch

**Didier de Bakker** *The challenges associated with coral reef research* Coral reefs are among the richest ecosystems on earth. They have particular interest of divers, but not all realize the delicate balance in which these ecosystems exist, or will be aware of the processes underlying the dramatic ecological changes that are currently occurring on reefs worldwide.



Spirometry in OW studies, SDR

**Martijn R. Manders** *Diving at the service of marine under water archaeology* There are strict regulations to perform underwater archaeology by diving at the bottom of the sea. One of the things one needs anyhow is a professional diving license. Dive safety is a primary prerequisite and this may conflict with the aim of the archaeological work.

**Nico A.M. Schellart** *Half a century research by Stichting Duik Research* Construction and exploitation of a monoplace chamber, visual research in open water, examination of the performance of dive computers, open sea and dive simulation studies with Doppler bubble detection and spirometer, 10 years Capita Selecta Diving Medicine.



Visual research in OW, SDR

Feestelijke toespraakjes en Receptie

See [www.duikresearch.org](http://www.duikresearch.org) for a complete description of the program.

## Accreditation

- The Dutch NVD, provides 5 accreditation points for the Symposium
- Course members from outside the Netherlands should personally apply to their own accreditation office.

In general, the level of the various lectures / subjects of the meeting are in accordance with that of EDTC and DMAC, level 1 (Medical Examiner) but the level is certainly not so high as were the regular Capita.

## Fees

- Physicians € 75,-
- Non – physicians € 45,-

The fee includes:

- The mentioned accreditations.
- Test, certificate (*only for physicians without Dutch BIG registration*), lunch and drinks and a reception.

Receipts will NOT be provided: use your registration confirmation or bank transcription.



Subjects, Marsa Sagra,

## Registration

- starts 15 January 2022,
- transferring the fee to the bank account of:  
Stichting Duik Research , NL51 INGB 0000 0337 31 (BIC/Swift INGBNL 2A)
- write on the transfer order under 'description': your name (with initials), e-mail address and BIG number (Dutch physicians).

The number of participants is quite restricted. Hence, early registration is recommended.

## Care for climate and biodiversity; transport

The SDR supports with full conviction via the EU parliament the GREEN DEAL.

The AMC has a perfect Public Traffic connection, by bus, metro and train

(<https://www.ns.nl/reisinformatie>, also in English). In case it is NOT in the AMC, the location is easily accessible by public traffic (train and next bus) or by car.

**Please, travel "green", for our Planet, for our grandchildren.**

## Covid regulations

Since you are the Whole day indoor in a room (not a big hall) it is the responsibility of the SDR to optimize COVID safety. QR2 code and nose-mouth cap is obligate. For those who belong basically to the Booster subpopulation, the Booster is also obligate.

## Hotels

Suggestions for nearby hotels are:

- Hotel Abcoude, Kerkplein 7, 1391 GJ Abcoude  
+31 294 281 271, info@hotelabcoude.nl  
Rooms from ca. 85 €/day  
Bus connection with AMC: no. 120 and no. 126, 2 times per hour (ca. 15 min).
- Hotel Fletcher, Schepenberweg 50, 1105 AT Amsterdam +31 (0)20- 3113670 ,  
<http://www.fletcherhotelamsterdam.nl/locatie>  
Rooms from ca. 150 €/day  
Walking distance (ca. 20 min in total)

Further:

- Hotel De Witte Dame, Rooms from ca. 120 €/day. <https://www.hoteldwd.nl/>
- Hotel de Goudvink, Rooms from ca. 140 €/day. [www.hoteldegoudvink.nl/](http://www.hoteldegoudvink.nl/)

## Entertainment

Stay one more night for culture and entertainment in one of the most exciting cities of Europe with everything at walking distance.

- The Koninklijk Concertgebouw (Royal Concert Hall, acoustically the number 1 in the world and for years with the number 1 in-the-world orchestra, the Koninklijk Concertgebouw Orkest) (Ticket should be ordered long in advance).
- The National Opera ('Stopera', opera and ballet) (Ticket should be ordered long in advance).

And many more flamboyant podium art theatres.

## Museums

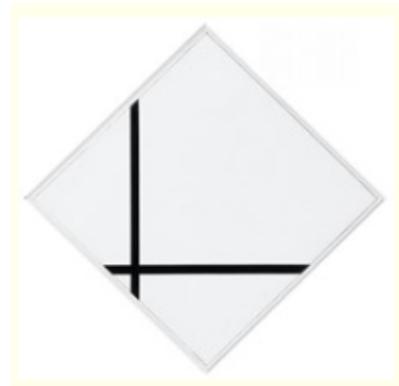
- Rijksmuseum (The National Museum), according to various rankings of general museums it belongs with the Louvre to the top 1-2 in Europe.
- Van Gogh Museum
- Stedelijk Museum (City Museum) with 20 Century Art
- Many more attractive museums.



**Rijksmuseum**  
Rembrandt van Rijn  
*The "Nachtwacht"*



**Van Gogh Museum**  
Vincent van Gogh  
*Self-portrait*



**Stedelijk Museum,**  
Piet Mondriaan  
*Composition with 2 lines*



**Scheepvaartmuseum**



**The Amsterdam Canals**

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