

REGISTERED COMPANY NUMBER: 08820009 (England and Wales)
REGISTERED CHARITY NUMBER: 1156666

**REPORT OF THE TRUSTEES AND
UNAUDITED FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021
FOR
PHELIX RESEARCH AND DEVELOPMENT**

Watts Gregory LLP
Chartered Accountants
Elfed House
Oak Tree Court
Cardiff Gate Business Park
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County of Cardiff
CF23 8RS

PHELIX RESEARCH AND DEVELOPMENT

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FOR THE YEAR ENDED 31 DECEMBER 2021**

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PHELIX RESEARCH AND DEVELOPMENT

REPORT OF THE TRUSTEES FOR THE YEAR ENDED 31 DECEMBER 2021

The trustees, who are also directors of the charity for the purposes of the Companies Act 2006, present their report with the financial statements of the charity for the year ended 31 December 2021. The trustees have adopted the provisions of Accounting and Reporting by Charities: Statement of Recommended Practice applicable to charities preparing their accounts in accordance with the Financial Reporting Standard applicable in the UK and Republic of Ireland (FRS 102) (effective 1 January 2019).

OBJECTIVES AND ACTIVITIES

Objectives and aims

The charity's objects as stated in its Articles of Association are:

"To protect and promote the health of the public in particular by research into the nature, cases, diagnosis, prevention, treatment and cure of chronic infection diseases, including the development of findings of research into practical applications for the prevention, treatment and cure of chronic infection diseases and in furtherance of that primary objective, to support information and raise public understanding of such matters, and to support the research on bacteriophages for bacterial infections in a chronic phase and to develop therapeutic programs based on bacteriophages."

Phelix Research & Development (Phelix R&D) is a medical research charity. The charity works hand in hand with Phelix France, registered in France as an 'Association d'Intérêt Général'.

Its team is a strong co-partnership of healthcare professionals (practitioners, immunologists and university researchers, amongst them Leicester University) and volunteers, working together to reach the charity's key objectives.

The overall aim is to develop phage-based diagnostic and treatment of Lyme disease. To-date, we have developed a novel phage-based diagnostic method targeting Lyme *Borrelia* strains. This novel diagnostic method showed higher sensitivity compared to the current diagnostic methods. With further development, our phage-based method could have the power to distinguish between active and non-active Lyme infection and offer a promise of early Lyme diagnostics.

In addition to our pioneer work in Lyme diagnostics, we have also developed our pipelines of methodologies in isolation and identification of phages that specifically infect Lyme *Borrelia* strains, and we are currently actively screening for phages. Once we identify phages, we will test the efficacy of these phages in killing *Borrelia* strain, and develop them towards therapeutics.

Activity update

Currently, the charity is focussed on supporting research surrounding bacteriophage viruses and their potential uses in chronic infection. Could bacteriophages provide an alternative to antibiotics, providing a solution to the problem of increasing antibiotic resistance, one of the largest threats to global health?

Before reaching this stage, research is required in the development of new and more sensitive tests for such chronic infections.

The genus of bacteria identified as a target for research being carried out by the Phelix team initially is called *Borrelia* spp. Many of the species within this genus are commonly known to be carried by ticks and lice and can cause Lyme disease, if spread to humans.

Simultaneously, work is being done to give further insight into the pathology and physiology of major neurodegenerative conditions, specifically neuroborreliosis, autism spectrum disorder and Alzheimer's disease. This investigation is to provide a firm basis for Phelix's future research into the relationship between chronic infection and neurodegeneration.

In the year 2021, the charity and the University of Leicester have been focusing on improving the specificity and the sensitivity of the diagnostic test we designed.

Our agreement with Red Laboratories in Belgium helped us to gain some returns from our joint patent in order to finance the research.

The charity did also some interesting work on improving our *Bartonella* Sp. Test.

In the year 2021, the University of Leicester published its first article in a professional journal about our research.

OBJECTIVES AND ACTIVITIES

Public benefit

The trustees can confirm that they have complied with the duty in Section 17 of the Charities Act 2011 to have due regard to public benefit guidance published by the Charities Commission. Significant activities that we undertook during the year that demonstrate public benefit are set out above.

PHELIX RESEARCH AND DEVELOPMENT

REPORT OF THE TRUSTEES FOR THE YEAR ENDED 31 DECEMBER 2021

FINANCIAL REVIEW

Financial position

During the year, the charity received income totalling £95,193 and incurred expenditure of £95,918, giving a net loss position of £725.

Phelix R&D recognised income of £90,243 from RedLab Belgium from the commercialisation of the Phage based test for the year 2021.

Reserves policy

Whilst the trustees are aware of the need to build reserves for a sustainable future. This is not considered necessary at this time due to the support of the trustees.

STRUCTURE, GOVERNANCE AND MANAGEMENT

Governing document

The charity is governed by its Memorandum and Articles of Association and constitutes a company limited by guarantee, as defined by the Companies Act 2016.

Recruitment and appointment of new trustees

Trustees are appointed or removed or retire by resolution of the trustees at board meeting or the Annual General Meeting.

Organisational structure

The Board of Trustees administers the company. The Board meets quarterly.

Induction and training of new trustees

Trustees are fully briefed on their legal obligations under charity and company law. Trustees are also urged to make use of the training and advice available on the Charity Commission website.

Risk management

The trustees have a duty to identify and review the risks to which the charity is exposed and to ensure appropriate controls are in place to provide reasonable assurance against fraud and error.

REFERENCE AND ADMINISTRATIVE DETAILS

Registered Company number

08820009 (England and Wales)

Registered Charity number

1156666

Registered office

37 Langton Street
Chelsea
LONDON
SW10 0JL

Trustees

Mr F A G C Louvet
Dr L C Teulieres

Independent Examiner

Watts Gregory LLP
Chartered Accountants
Elfed House, Oak Tree Court
Cardiff Gate Business Park
CARDIFF
CF23 8RS

Approved by order of the Board of Trustees on 28/02/2023 and signed on its behalf by:


Mr F A G C Louvet - trustee

INDEPENDENT EXAMINER'S REPORT TO THE TRUSTEES OF PHELIX RESEARCH AND DEVELOPMENT

Independent examiner's report to the trustees of Phelix Research and Development ('the Company')

I report to the charity trustees on my examination of the accounts of the Company for the year ended 31 December 2021.

Responsibilities and basis of report

As the charity's trustees of the Company (and also its directors for the purposes of company law) you are responsible for the preparation of the accounts in accordance with the requirements of the Companies Act 2006 ('the 2006 Act').

Having satisfied myself that the accounts of the Company are not required to be audited under Part 16 of the 2006 Act and are eligible for independent examination, I report in respect of my examination of your charity's accounts as carried out under Section 145 of the Charities Act 2011 ('the 2011 Act'). In carrying out my examination I have followed the Directions given by the Charity Commission under Section 145(5) (b) of the 2011 Act.

Independent examiner's statement

I have completed my examination. I confirm that no matters have come to my attention in connection with the examination giving me cause to believe:

1. accounting records were not kept in respect of the Company as required by Section 386 of the 2006 Act; or
2. the accounts do not accord with those records; or
3. the accounts do not comply with the accounting requirements of Section 396 of the 2006 Act other than any requirement that the accounts give a true and fair view which is not a matter considered as part of an independent examination; or
4. the accounts have not been prepared in accordance with the methods and principles of the Statement of Recommended Practice for accounting and reporting by charities (applicable to charities preparing their accounts in accordance with the Financial Reporting Standard applicable in the UK and Republic of Ireland (FRS 102)).

I have no concerns and have come across no other matters in connection with the examination to which attention should be drawn in this report in order to enable a proper understanding of the accounts to be reached.

Julia Mortimer FCCA
Watts Gregory LLP
Chartered Accountants
Elfed House
Oak Tree Court
Cardiff Gate Business Park
CARDIFF
County of Cardiff
CF23 8RS

2 March 2023

PHELIX RESEARCH AND DEVELOPMENT

**STATEMENT OF FINANCIAL ACTIVITIES
(INCORPORATING AN INCOME AND EXPENDITURE ACCOUNT)
FOR THE YEAR ENDED 31 DECEMBER 2021**

| | | 2021 Unrestricted fund £ | 2020 Total funds £ |
|--|-------|-----------------------------------|-----------------------------|
| INCOME AND ENDOWMENTS FROM | Notes | | |
| Donations and legacies | | 55 | 21 |
| Charitable activities | | | |
| Research | | 90,243 | 94,943 |
| Other income | | <u>4,895</u> | <u>1,100</u> |
| Total | | <u>95,193</u> | <u>96,064</u> |
| EXPENDITURE ON | | | |
| Charitable activities | 3 | | |
| Research | | <u>95,918</u> | <u>114,043</u> |
| NET INCOME/(EXPENDITURE) | | (725) | (17,979) |
| RECONCILIATION OF FUNDS | | | |
| Total funds brought forward | | <u>(326,738)</u> | <u>(308,759)</u> |
| TOTAL FUNDS CARRIED FORWARD | | <u><u>(327,463)</u></u> | <u><u>(326,738)</u></u> |

The notes form part of these financial statements

PHELIX RESEARCH AND DEVELOPMENT

**BALANCE SHEET
31 DECEMBER 2021**

| | Notes | 2021 Unrestricted fund £ | 2020 Total funds £ |
|--|-------|-----------------------------------|-----------------------------|
| FIXED ASSETS | | | |
| Intangible assets | 8 | 13,131 | 15,320 |
| CURRENT ASSETS | | | |
| Debtors | 9 | 18,510 | 23,985 |
| Cash at bank | | <u>41,112</u> | <u>37,333</u> |
| | | 59,622 | 61,318 |
| CREDITORS | | | |
| Amounts falling due within one year | 10 | (21,724) | (20,116) |
| NET CURRENT ASSETS | | <u>37,898</u> | <u>41,202</u> |
| TOTAL ASSETS LESS CURRENT LIABILITIES | | 51,029 | 56,522 |
| CREDITORS | | | |
| Amounts falling due after more than one year | 11 | (378,492) | (383,260) |
| NET ASSETS | | <u>(327,463)</u> | <u>(326,738)</u> |
| FUNDS | 12 | | |
| Unrestricted funds | | <u>(327,463)</u> | <u>(326,738)</u> |
| TOTAL FUNDS | | <u>(327,463)</u> | <u>(326,738)</u> |

The charitable company is entitled to exemption from audit under Section 477 of the Companies Act 2006 for the year ended 31 December 2021.

The members have not required the company to obtain an audit of its financial statements for the year ended 31 December 2021 in accordance with Section 476 of the Companies Act 2006.

The trustees acknowledge their responsibilities for

- (a) ensuring that the charitable company keeps accounting records that comply with Sections 386 and 387 of the Companies Act 2006 and
- (b) preparing financial statements which give a true and fair view of the state of affairs of the charitable company as at the end of each financial year and of its surplus or deficit for each financial year in accordance with the requirements of Sections 394 and 395 and which otherwise comply with the requirements of the Companies Act 2006 relating to financial statements, so far as applicable to the charitable company.

These financial statements have been prepared in accordance with the provisions applicable to charitable companies subject to the small companies regime.

The financial statements were approved by the Board of Trustees and authorised for issue on 28/01/2023 and were signed on its behalf by:

Mr F A G C Louvet - Trustee

The notes form part of these financial statements

1. STATUTORY INFORMATION

Phelix Research and Development is a registered charity and private company limited by guarantee having no share capital. Members have agreed to contribute £10 in the event of a winding up.

The company is incorporated in the United Kingdom and its registered office is 37 Langton Street, Chelsea, London, SW10 0JL

The nature of the company's operations and principal activities is disclosed within the Report of the Trustees.

The financial statements are presented in Sterling (£), the company's functional currency, and rounded to the nearest pound.

The significant accounting policies applied in the preparation of these financial statements are set out below. These policies have been consistently applied to all years presented unless otherwise stated.

2. ACCOUNTING POLICIES

Basis of preparing the financial statements

The financial statements of the charitable company, which is a public benefit entity under FRS 102, have been prepared in accordance with the Charities SORP (FRS 102) 'Accounting and Reporting by Charities: Statement of Recommended Practice applicable to charities preparing their accounts in accordance with the Financial Reporting Standard applicable in the UK and Republic of Ireland (FRS 102 S1A Update Bulletin 1) (effective 1 January 2019)', Financial Reporting Standard 102 'The Financial Reporting Standard applicable in the UK and Republic of Ireland' and the Companies Act 2006. The financial statements have been prepared under the historical cost convention.

There have been no material departures from the Financial Reporting Standard 102 1A, except in relation to investment property noted below.

Going concern

The charity has the ongoing support of the trustees.

Income

All income is recognised in the Statement of Financial Activities once the charity has entitlement to the funds, it is probable that the income will be received and the amount can be measured reliably.

Expenditure

Liabilities are recognised as expenditure as soon as there is a legal or constructive obligation committing the charity to that expenditure, it is probable that a transfer of economic benefits will be required in settlement and the amount of the obligation can be measured reliably. Expenditure is accounted for on an accruals basis and has been classified under headings that aggregate all cost related to the category. Where costs cannot be directly attributed to particular headings they have been allocated to activities on a basis consistent with the use of resources.

Intangible assets

Intangible assets acquired separately from a business are capitalised at cost.

Subsequent to initial recognition, intangible assets are stated at cost less accumulated amortisation and accumulated impairment. Intangible assets are amortised on a straight line basis over their estimated useful life. The carrying value of intangible assets is reviewed for impairment if events or changes in circumstances indicate the carrying value may not be recoverable.

The useful economic lives of intangible assets are as follows:

Patents - 10 years

Taxation

The charity is exempt from corporation tax on its charitable activities.

Fund accounting

Unrestricted funds can be used in accordance with the charitable objectives at the discretion of the trustees.

NOTES TO THE FINANCIAL STATEMENTS - continued
FOR THE YEAR ENDED 31 DECEMBER 2021

2. ACCOUNTING POLICIES - continued

Fund accounting

Restricted funds can only be used for particular restricted purposes within the objects of the charity. Restrictions arise when specified by the donor or when funds are raised for particular restricted purposes.

Further explanation of the nature and purpose of each fund is included in the notes to the financial statements.

3. CHARITABLE ACTIVITIES COSTS

| | Direct Costs (see note 4) £ | Support costs £ | Totals £ |
|----------|--------------------------------------|-----------------------|---------------|
| Research | <u>95,855</u> | <u>63</u> | <u>95,918</u> |

4. DIRECT COSTS OF CHARITABLE ACTIVITIES

| | 2021 £ | 2020 £ |
|-------------------------------|---------------|----------------|
| Fees to Leicester University | 90,146 | 105,374 |
| Legal & professional fees | 3,250 | 553 |
| Governance costs | 780 | 780 |
| Foreign currency gains/losses | (1,139) | 5,118 |
| Website Maintenance | 629 | - |
| Depreciation | <u>2,189</u> | <u>2,189</u> |
| | <u>95,855</u> | <u>114,014</u> |

5. NET INCOME/(EXPENDITURE)

Net income/(expenditure) is stated after charging/(crediting):

| | 2021 £ | 2020 £ |
|-----------------------------------|------------|------------|
| Patents and licences amortisation | 2,189 | 2,189 |
| Independent examination | <u>780</u> | <u>780</u> |

6. TRUSTEES' REMUNERATION AND BENEFITS

There was no trustees' remuneration or other benefits for the year ended 31 December 2021 or for the period ended 31 December 2020.

Trustees' expenses

There were no trustees' expenses paid for the year ended 31 December 2021 or for the period ended 31 December 2020.

7. COMPARATIVES FOR THE STATEMENT OF FINANCIAL ACTIVITIES

All income and expenditure in the period to 31 December 2020 was unrestricted.

PHELIX RESEARCH AND DEVELOPMENT

NOTES TO THE FINANCIAL STATEMENTS - continued
FOR THE YEAR ENDED 31 DECEMBER 2021

8. INTANGIBLE FIXED ASSETS

| | Patents and licences £ |
|--|---------------------------------|
| COST | |
| At 1 January 2021 and 31 December 2021 | <u>21,887</u> |
| AMORTISATION | |
| At 1 January 2021 | 6,567 |
| Charge for year | <u>2,189</u> |
| At 31 December 2021 | <u>8,756</u> |
| NET BOOK VALUE | |
| At 31 December 2021 | <u>13,131</u> |
| At 31 December 2020 | <u>15,320</u> |

9. DEBTORS: AMOUNTS FALLING DUE WITHIN ONE YEAR

| | 2021 £ | 2020 £ |
|----------------|---------------|---------------|
| Accrued income | <u>18,510</u> | <u>23,985</u> |

10. CREDITORS: AMOUNTS FALLING DUE WITHIN ONE YEAR

| | 2021 £ | 2020 £ |
|------------------------------|---------------|---------------|
| Accruals and deferred income | <u>21,724</u> | <u>20,116</u> |

11. CREDITORS: AMOUNTS FALLING DUE AFTER MORE THAN ONE YEAR

| | 2021 £ | 2020 £ |
|-------------------|----------------|----------------|
| Loan from trustee | 311,305 | 311,305 |
| Other loans | <u>67,187</u> | <u>71,955</u> |
| | <u>378,492</u> | <u>383,260</u> |

The loan from trustee has a term of six years and provides funding facilities to the charity to undertake its research work. The loan is interest free and will only be repayable after the charity secures sufficient independent funding.

The additional loan has a term of four years and also provides funding facilities to the charity to carry out its research work. The loan is interest free and will only be repayable if revenue is generated from licensing its patents.

12. MOVEMENT IN FUNDS

| | At 1/1/21 £ | Net movement in funds £ | At 31/12/21 £ |
|---------------------------|------------------|----------------------------------|---------------------|
| Unrestricted funds | | | |
| General fund | (326,738) | (725) | (327,463) |
| TOTAL FUNDS | <u>(326,738)</u> | <u>(725)</u> | <u>(327,463)</u> |

12. MOVEMENT IN FUNDS - continued

Net movement in funds, included in the above are as follows:

| | Incoming resources £ | Resources expended £ | Movement in funds £ |
|---------------------------|----------------------------|----------------------------|---------------------------|
| Unrestricted funds | | | |
| General fund | 95,193 | (95,918) | (725) |
| | <hr/> | <hr/> | <hr/> |
| TOTAL FUNDS | <u>95,193</u> | <u>(95,918)</u> | <u>(725)</u> |

Comparatives for movement in funds

| | At 1/1/20 £ | Net movement in funds £ | At 31/12/20 £ |
|---------------------------|------------------|----------------------------------|---------------------|
| Unrestricted funds | | | |
| General fund | (308,759) | (17,979) | (326,738) |
| | <hr/> | <hr/> | <hr/> |
| TOTAL FUNDS | <u>(308,759)</u> | <u>(17,979)</u> | <u>(326,738)</u> |

Comparative net movement in funds, included in the above are as follows:

| | Incoming resources £ | Resources expended £ | Movement in funds £ |
|---------------------------|----------------------------|----------------------------|---------------------------|
| Unrestricted funds | | | |
| General fund | 96,064 | (114,043) | (17,979) |
| | <hr/> | <hr/> | <hr/> |
| TOTAL FUNDS | <u>96,064</u> | <u>(114,043)</u> | <u>(17,979)</u> |

13. RELATED PARTY DISCLOSURES

There were no related party transactions for the year ended 31 December 2021 that require disclosure, other than the loan from trustee as disclosed in note 11.