

Appendix 3X

Initial Director's Interest Notice

Information or documents not available now must be given to ASX as soon as available. Information and documents given to ASX become ASX's property and may be made public.

Introduced 30/9/2001.

| | |
|-----------------------|----------------------------|
| Name of entity | Rhythm Biosciences Limited |
| ABN | 59 619 459 335 |

We (the entity) give ASX the following information under listing rule 3.19A.1 and as agent for the director for the purposes of section 205G of the Corporations Act.

| | |
|----------------------------|-----------------|
| Name of Director | Glenn Gilbert |
| Date of appointment | 1 December 2021 |

Part 1 - Director's relevant interests in securities of which the director is the registered holder

In the case of a trust, this includes interests in the trust made available by the responsible entity of the trust

Note: In the case of a company, interests which come within paragraph (i) of the definition of "notifiable interest of a director" should be disclosed in this part.

| |
|---|
| Number & class of securities |
| Glenn Gilbert: 1,183,341 fully paid ordinary shares (ASX: RHY) 1,750,000 unlisted options exercisable at \$0.20 on or before 14 September 2023 (ASX: RHYAH) |
| Lege Investments Pty Ltd <ATF Gilbert Family Trust>: 29,792 unlisted options exercisable at \$1.20 on or before 31 August 2022 (ASX: RHYAK) 29,792 unlisted option exercisable at \$1.80 on or before 31 July 20214 (ASX: RHYAL) 1,750,000 unlisted options exercisable at \$0.20 on before 14 September 2023 (ASX: RHYAH) 2,000,000 unlisted options exercisable at \$1.80 on or before 31 July 2024 (ASX: RHYAI) |

+ See chapter 19 for defined terms.

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Part 2 – Director's relevant interests in securities of which the director is not the registered holder

In the case of a trust, this includes interests in the trust made available by the responsible entity of the trust

| Name of holder & nature of interest | Number & class of Securities |
|--|---|
| Note: Provide details of the circumstances giving rise to the relevant interest. | Nil |

Part 3 – Director's interests in contracts

Note: In the case of a company, interests which come within paragraph (ii) of the definition of "notifiable interest of a director" should be disclosed in this part.

| | |
|--|----------------|
| Detail of contract | Not applicable |
| Nature of interest | |
| Name of registered holder (if issued securities) | |
| No. and class of securities to which interest relates | |